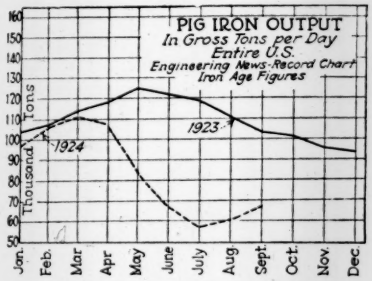
# CONSTRUCTION NEWS

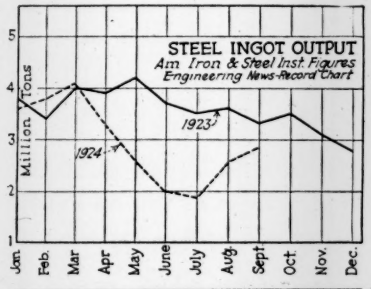
*Engineering News-Record, October 23, 1924*

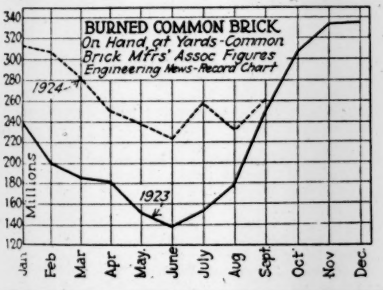
## *The Construction Barometer*

### *Production Reports on Basic Materials Show Conflicting Trend—Improvement In Brick and Steel—Cement and Lumber Slower*

REPORTS on production of basic materials continue to show some conflicting trends, according to figures received by *Engineering News-Record*. On the whole, the situation shows improvement, particularly in brick and steel. Cement and lumber, however, show decided downward trends in output but not in price. In the industries not related to construction, the most notable improvement is seen in textiles. Heavy freight movements, other than coal and grain, indicate the volume of general business being transacted. This week's reports on construction jobs throughout the country, on which bids are now being asked, show gains principally in private projects and large commercial buildings.





STEEL INGOT OUTPUT
Am. Iron & Steel Inst. Figures
Engineering News-Record Chart
Million Tons
1923
1924
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.




### *Engineering News-Record Statistics*

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

**VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES**

| Week Ended | | Public Work | Private Work | Total Contracts |
|---|---|---|---|---|
| Oct. | 2 | $14,140,000 | $14,765,000 | $28,905,000 |
| Oct. | 9 | 15,048,000 | 49,481,000 | 64,529,000 |
| Oct. | 16 | 13,291,000 | 17,012,000 | 30,303,000 |
| 3 weeks. | | $42,479,000 | $81,258,000 | $123,737,000 |

**LARGE BUILDING CONTRACTS—NUMBER AND VALUE**

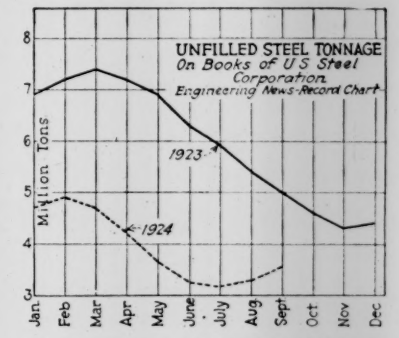
| | Commercial | | | | Industrial | |
|---|---|---|---|---|---|---|
| Week Ended | Public No. | Public Thousand | Private No. | Private Thousand | No. | Thousand |
| Oct. 2 | 12 | $2,973 | 38 | $8,321 | 24 | $1,396 |
| Oct. 9 | 13 | 5,124 | 35 | 23,589 | 26 | 25,499 |
| Oct. 16 | 8 | 1,699 | 49 | 15,537 | 16 | 910 |
| 3 weeks. | 33 | $9,796 | 122 | $47,447 | 66 | $27,805 |

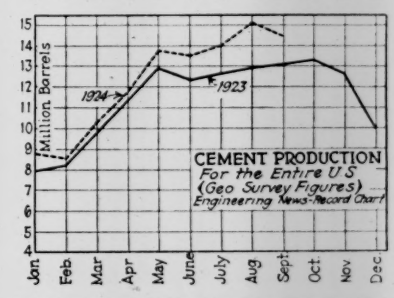
**NUMBER OF LARGE JOBS NOW OUT FOR BIDS**

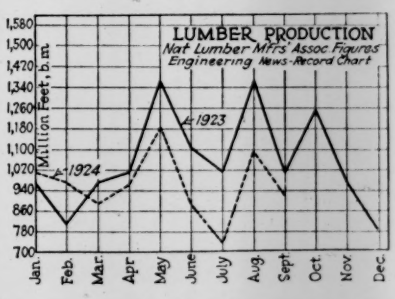
| Week Ended | Private | Commercial Buildings | Streets and Roads | Waterworks and Sewers | All Public |
|---|---|---|---|---|---|
| Oct. 2 | 23 | 39 | 47 | 25 | 166 |
| Oct. 9 | 20 | 26 | 50 | 35 | 175 |
| Oct. 16 | 23 | 31 | 47 | 28 | 172 |

**BUT LITTLE CHANGE IN BASIC MATERIALS PRICES**

| | Quoted on Oct. 23 at | Last Price Change Was | On |
|---|---|---|---|
| Structurals, Pittsburgh, 100 lb. | $1.90 @2.00 | $1.80 @2.00 | Oct. 16 |
| Cement, Chi., net bbl. | 2.20 | 2.10 | Jan. 24 |
| Pine, N. Y., M. ft. | 55.00 | 56.00 | Oct. 2 |
| Fir, San Fran., M. ft. | 29.00 | 34.00 | Sept. 25 |
| Common labor, hr. | .56 | .55 | Apr. 2 |


UNFILLED STEEL TONNAGE
On Books of U.S. Steel Corporation
Engineering News-Record Chart
Million Tons
1923
1924
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.




## Waterworks

**PROPOSED WORK**

**Pa., Blairsville**—Election Nov. 4, $125,000 bonds municipal water plant.

**Miss., Marks** — City called off $35,000 bond election scheduled for Sept. 30, for waterworks and electric light plant. Project dropped. W. M. Donaldson, city clk. Noted Sept. 25.

**La., Gretna**—Election Dec. 12, $165,000 bonds for waterworks, and sewerage systems. T. Payne, Jefferson Bank Bldg., Algiers, consult. engr.

**La., New Orleans** — See "Excavation, Drainage, Irrigation, Levees."

**O., Cincinnati**—Hamilton Co. plans 25,230 ft. 6 and 8 in. c.i. mains in Water Supply Line 8, Dist. 2, (White Oaks), $61,804; 8,200 ft. 6 and 8 in. mains in Water Supply Line 6, Dist. 2, (North College Hill-Steels's Subvd.), $110,517, 21,590 ft. 6 and 8 in. mains in Water Supply Line 3, Dist. 1, (Maderia), $50,392. L. C. Boyatt, Court House, engr.

**Ind., Montezuma**—R. L. Dooley, pres., Town Bd., plans water works plant here. $40,000.

**Ill., Litchfield**—Soon takes bids 12 mi. 4- to 8-in. mains, etc. $200,000. Pearse, Graham & Hansen, 6 North Michigan Ave., Chicago, engrs.

**Ill., Woodriver**—Election Apr. 21, $50,000 bonds for waterworks and distribution system. Former election postponed. Noted Oct. 2.

**Ia., Clearfield**—Election Nov. 4, $30,000 bonds for waterworks and distribution system. Henningson Eng. Co., Natl. Bldg., Omaha, Neb., engrs.

**Ia., Diagonal** — Plans election $32,000 bonds for waterworks and distribution system. Henningson Eng. Co., Natl. Bldg., Omaha, Neb., engrs.

**Neb., Dunbar**—Voted $17,500 bonds for waterworks. Hennington Eng. Co., 12th and Harney Sts., Omaha, engrs.

**Tex., Dilley** — Making plans pumping plant, tank and tower, electric generator and ice plant. $60,000. Terrell & Bartlett, Calcasieu Bldg., San Antonio, engrs.

**Tex., Gilmer** — Voted $500,000 bonds mains and sewer extension. F. M. McClelland, city mgr.-supt.

**Tex., Port Lavaca**—Making plans waterworks improvement, incl. artesian wells, pumping plant, 9 mi. main to reach city, distribution system, tank and tower, alternate of Dam on Lynn Bayou, filtration plant with pumping plant and distribution system. $60,000, $48,000 bonds voted. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs. Noted Oct. 7.

Waterworks (Continued)

**Okla., Braman** — Voted $25,000 bonds new waterworks, incl. well, pump, motor, tank on tower, valves, hydrants, etc. F. B. King, Grain Exch. Bldg., Oklahoma City, engr. Noted Aug. 21.

**Okla., Idabell**—Election Nov. 12, $45,000 bonds filtration plant, pumps, motors, 600 ft. 8 in. c.i. mains, and meters. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 7.

**Wash., Longview** — See "Streets and Roads."

**Calif., Elsinore**—City votes $15,000 bonds, extensions to water system.

**Calif., Eureka**—J. B. Griffiths, supt. Bd. Pub. Wks., plans to purchase 3,000 lin.ft. 6 and 8 in. Class B c.i. pipe for Water Dept.

**Calif., Glendale** — Defeated $550,000 bonds to construct new mains and reservoir. Noted Aug. 28.

**Calif., Monterey Park**—Plans to purchase 2,600 lin.ft. 4 in. water pipe. C. A. Stone, city engr.

**Calif., Mt. Shasta** (Weed P. O.)—Plans to vote bonds to exceed $15,000 constructing water system.

**Calif., Pasadena**—Plans 10 m.g. reservoir. S. B. Morris, ch. engr. for city water dept.

**Calif., Redwood City** — San Mateo Co. plans to purchase 10,000 lin.ft. c.i. pipe, valves, triplex pump, wooden tank, etc. E. H. Werder, co. purch. agt.

**Calif., San Francisco** — City and San Francisco Co. voted $10,000,000 bonds to continue Hetch Hetchy water project, incl. 17 mi. tunnel from Moccasin Creek into San Joaquin Valley, $8,000,000; shafts and other preliminary work on 31 mi. tunnel driven through Coast Range Mountains between San Joaquin Valley and San Francisco Bay, $2,000,000. M. M. O'Shaughnessy, city engr.

**Que., Hull**—Plans waterworks extensions. $73,500 bonds to be voted. T. Lanctot, city engr.

**BIDS DESIRED**

**N. Y., Brockport**—Nov. 17, by Bd. Water Comrs., Village Hall, improving waterworks at pumping station, etc. B. A. Thompson, clk.; adv. E. N.-R. Oct. 23 .

**N. Y., Buffalo**—Nov. 6, by Commissioner Pub. Wks., furnishing gate and check valves, c.i. pipe and fittings for filtration plant. G. C. Andrews, Col. Ward Pumping Sta., engr.

**N. Y., Locust Valley** — Nov. 1, by Bd. Water Comrs., 3½ mi. 6 and 8 in. c.i. mains, etc. S. B. Bowne, Mineola, engr.; adv. E. N.-R. Oct. 23.

**N. Y., Long Island City**—Oct. 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 149th Pl. Vandeventer, 4th, Lee, Woodsward, 36th, 59th and 81st Aves., Honeywell, Charles, High, Hollywood, Mead, Ralph, Tremont, 169th and 203rd Sts., here.

**N. Y., New York**—Oct. 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Pelham Parkway, Allerton, Arnow, Golden, Cruger, Edson, Ely, Grace, Gunther, Hone, Laconia, Lurting, Mace, Morgan, Needham, Clinville, Paulding, Radcliffe, Tieman, Wallace, Waring, Wilder, and Yates Aves., Camp, East 213th and East 224th Sts.

**N. Y., St. George**—Oct. 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, mains in Emerson Dr., Johnston Terrace, Clive, Douglas, Edinboro and Signs Rds., Clermont, Kingsley, Portland and Rokeby Places, Adams, Corson, Forest, Hamilton, Hunter, Sommer, Van Name and Wheeler Aves., Marianne, 2nd, 4th, 5th and 6th Sts., here.

**Pa., Morrisville**—Nov. 1, by T. B. Stockham, mayor, motor, pump and engine for pumping station. $10,000. Noted Sept. 11.

**Fla., Okeechobee** — See "Streets and Roads."

**Fla., Sebring**—Nov. 10, by A. E. Lawrence, mayor and Council at office W. B. Zachary, city clk., waterworks and sanitary sewerage systems. P. H. Norcross, 1404 Candler Bldg., Atlanta, Ga., consult. engr.; adv. E. N.-R. Oct. 23. This corrects report in Oct. 16 issue.

**O., Cleveland**—Oct. 31, 1,123 ft. 42 in. lock bar pipe as tunnel under Harvard Denison Bridge. A. V. Ruggles, City Hall, engr.

**N. D., Cando**—Nov. 3, for water filtration plant, pressure type filter of 5,000 gal. per hr., etc. $15,000. H. S. Hanson, city aud.

**Calif., Lincoln**—City Trustees taking bids constructing water system. To exceed $25,000. C. E. Sloan, Santa Fe Bldg., engr.

**BIDS RECEIVED**

**N. Y., New York** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Oct. 15, mains in Andrews, East Bay, Leggett, Longfellow, Plimpton, Sheridan, Teller, Whitlock and Willis Aves., Barry, East 149th, East 166th, 171st, West 172nd and West 175th Sts., from Wataga Contg. Co., 308 Lenox Ave., $49,605. Noted Oct. 9.

**N. Y., New York**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Ampere, Appleton, Baisley, Balcom Sts., etc., from Riverdale Waterworks Corp., 355 East 113th St., $37,500. Noted Oct. 9.

**N. Y., West New Brighton** (Sta. Staten Island)—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, remodeling buildings at pumping station from J. L. Burke Corp., 51 West 66th St., New York City, (1 and 4) $28,650; from E. Siekmann, (2) $958 (3) $2,390.

**Neb., Lincoln**—For 5 m.g. reservoir at A St. power plant, from Knudsen & Co., 1338 M St., $63,000; two 500 hp. steam boilers and two soot blowers, from Springfield Boiler Co., 1901 East Capital Ave., Springfield, Ill., $18,800 and $1,410 respectively; 2 cabin grate stokers, from Green Eng. Co., Kennedy St., East Chicago, Ind., $6,190; economizer, from Green Fuel Economizer Co., Beacon, N. Y., $13,630, 2 superheaters, from Power Specialty Co., 111 Bway., New York City, $3,750.

**Tex., Ralls**—Waterworks improvements, incl. 22,620 ft. 4- to 8-in. Class B c.i. pipe, 50,000 gal. tank on 100 ft. tower, 50,000 gal. rein.-con. reservoir, and well 12½ in. diam., 220 ft. deep, from J. B. Winslett, 1001 Main St., Dallas, $37,682. Noted Oct. 2.

**Wash., Anacortes** — City Council Sept. 30, filtration plant, pumping station, and pump and motor to deliver 1,000 gal. water per min. into Whistle Lake from Lake Campbell, from H. D. Wilder, Sedro Woolley, $37,500. Noted Sept. 11.

**Wash., Seattle**—Bd. Pub. Wks., Oct. 10, mains in 1st Ave. S. et al, cast iron, from J. L. Smith, 304 West 36th St., $197,917, engrs. est. $221,860; riveted steel, from R. Arcorace & Lupis, Seattle, $110,600, engrs. est. $110,600; lock bar steel, from Jahn & Bressi, Seattle, $118,589, engrs. est. $114,183.

**CONTRACTS AWARDED**

**N. J., Cliffwood** — Cliffwood Water Co., laying 7 mi. various size mains, to Monmouth Contg. Co., Broad St., Red Bank, $42,000.

**Md., Leonardtown**—Eastern Shore Trust Co., Leonardtown, water works system and 2 mi. pipe line, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $33,456. Noted Sept. 18.

**N. C., Davidson**—Filtration plant, raw water pumping station and laying 4 mi. 8 in. c.i. pipe, to Tucker & Laxton, Realty Bldg., Charlotte, $65,000.

**N. C., Oxford**—Filter plant, to Byrne Constr. Co., Oxford, $60,728, equipment for same, to Tucker & Laxton, Realty Bldg., Charlotte, $23,900. Noted Sept. 4.

**N. C. Thomasville** — Waterworks, incl. pipe lines, and basin located on Red Hill west of here, to W. Clark, Wilmington, $133,000; laying pipe, to Burlington Constr. Co., Burlington. Noted Sept. 11.

**S. C., Kershaw**—Extension to plant and mains also installing sewer system incl. disposal plant to Tucker & Laxton, Realty Bldg., Charlotte, N. C., $60,000.

**O., Columbus**—See "Streets and Roads."

**O., Shaker Heights** (Cleveland P. O.)—For 14,720 ft. 4- to 8-in. c.i. mains in Shelbourne Rd., to A. Marra Co., Ulmer Bldg., Cleveland, $9,781; Chesterton Rd., to J. B. Lynn, The Arcade, Cleveland, $5,839; in Sherbrooke Rd., to Sprague & Burkhardt, 11811 Browning Ave., Cleveland, $4,209; in Courtland Blvd., to Curro & Whittaker, 12208 Mayfield Rd., Cleveland, $13,858; in North Park Blvd., to Hanna & Michael, Erie Bldg., Cleveland, $6,190.

**Ia., Tabor**—To T. F. Corey, Shenandoah, earth dam and concrete spillway, $6,625, also 4,444 ft. 4 and 6 in. c.i. pipe, $2,740; to Permutit Co., 440 4th Ave., New York City, filter plant, $4,400; to U. S. Cast Iron & Fdry. Co., 122 South Michigan Ave., Chicago, c.i. pipe and fittings, $2,880.

**Minn., Lakeville**—Steel tower on tank, to Pittsburgh-Des Moines Steel Co., 10th and Tuttle Sts., Des Moines, $8,000. Noted Oct. 9.

**Minn., Minneapolis** — F. S. Gram, city purch. agt., one thousand § in. water meters with connections, to Badger Meter Co., 841 30th St., Milwaukee, Wis., at $8.50 each. Noted Oct. 9.

**Wash., Anacortes**—City Council, Sept. 30, purification plant, pumping station and pump and motor to deliver 1,000 gal. per minute, to California Filter Co., Mertill Exch. Bldg., San Francisco, Calif., $56,350. Noted Oct. 16.

**Calif., San Bernardino**—To G. M. Cooley Co., San Bernardino, 1900 ft. 8 in. and 4,000 ft. 6 in. lap weld steel pipe f.o.b. San Pedro, at $96.48 and $62.30 per 100 ft. respectively.

**Calif., Tracy** — W. Schlossman, secy. Banta-Carbona Irrigation Dist., pumps, using G. E. motors and equipment, to Byron-Jackson Pump Mfg. Co., Sharon Bldg., approximately $80,000; furnishing miscellaneous equipment, incl. valves and installing plants, to L. F. Youdall, Matson Bldg., $47,782. Noted Sept. 11.

**Ont., Windsor** — Constructing 9,580 ft. 6, 8 and 12 in. c.i. mains in various streets, to Chick Contg. Co., McDougall Ave. Engrs. est. $30,000.

## Sewers

**PROPOSED WORK**

**Mass., Dorchester** (Boston P. O.)—Dept. Pub. Wks., City Hall, Boston, plans sewers in Itasca, Hallowell, Fairview, Colorado and Woodwards Sts., here. $25,000. J. A. Rourke, comr.

**Conn., Portland**—City plans sewers extension in Bartlett St., Highland Ave., and Fairview Heights. $25,000.

**O., Canton**—Stark Co. plans 2.5 mi. 42 in. sanitary sewer from North Canton south to corporation line of Canton. $150,000. G. Davidson, Canton, engr.

**Wis., Marshfield**—J. Schindler, city clk., making preliminary plans sewage disposal plant. $45,000-$50,000. A. Westenborg, City Hall, engr.

**Tex., Ft. Worth**—Making plans extending sewer in suburban districts. Voted $1,000,000 bonds for project. D. L. Lewis, city engr.

**Tex., Gilmer**—See "Waterworks."

**Tex., Trinity** — Making plans sewerage system, incl. disposal plant, mains and laterals. $35,000 bonds voted. F. J. Zuben, Ellison Bldg., Ft. Worth, engr. Noted Oct. 7.

**Tex., Jacksboro** — See "Streets and Roads."

**Okla., Oklahoma City**—See "Streets and Roads."

**Okla., Oklahoma City**—Soon takes bids for 80,000 ft. 8- to 21-in. vitr. clay sewers in Heronville Addition between Ash St. and College Addition. $150,000. B. M. Hart, City Hall, engr.

**Calif., Chico** — Plans sewer farm improvements. Will probably vote on $75,000 bonds or more for project.

**Calif., Gilroy**—Plans election $100,000 to $125,000 bonds to finance sewage disposal plant. C. E. Sloan, Santa Fe Bldg., San Francisco, engr.

**Que., Hull** — Plans sewer extensions. $234,000 bonds to be voted. T. Lanctot, city engr.

**Ont., Hamilton** — Election in January $423,000 bonds for intercepting sewers, pumping station, etc. W. L. McFaul, city engr.

**Ont., Niagara Falls** — Stamford Twp. plans extending sewers. $28,000. T. R. Stokes, city engr.

**Ont., Toronto**—York Twp., plans 9,000 ft. 8- to 12-in. vitr. tile sanitary and storm sewers in Rogers Rd., Oakwood Ave. and Northcliffe Blvd. $40,000. F. B. Goldike, 40 Jarvis St., engr.

**BIDS DESIRED**

**N. J., Trenton** — Oct. 31, by Bd. City Comrs., Municipal Bldg., sewage treatment works. G. A. Johnson and G. L. Watson, 150 Nassau St., New York City, consult. engrs.; adv. E. N.-R. Oct. 23.

**Pa., Ebensburg**—Oct. 27, by Stoneycreek Twp., W. N. Rusher, secy., or O. P. Thomas, engr., Park Bldg., Johnstown, 4,300 ft. 8 in. terra cotta sewer with lampholes and manholes in Bedford Pike.

**Fla., Sebring**—See "Waterworks."

**Mich., Grand Rapids**—Nov. 19, at office Director Pub. Service, City Hall, constructing Silver Creek Drain, Contr. K-1. F. H. Locke, city mgr.; adv. 7. N.-R. Oct. 23.

**Mich., Jackson**—Nov. 5, by City Clerk, constructing West Side intrecepting sewers. J. W. Whittaker, city mgr.; adv. E. N.-R Oct. 23.

Sewers (Continued)

**Kan., Iola**—Oct. 29, by O. W. Holmes, county clk., disposal plant, incl. two 1,000 gal. and one 500 gal. motor driven centrifugal pumps, 2,300 sq.yd. concrete, 17,800 ft. 8- to 30-in. sewers, 150 tons bell and spigot c.i. pipe, 36,860 lb. c.i. B and S specials, 30 gate valves, 203,700 lb. reinforcing, 8,000 sq.yd. rock for sprinkling filters, 1,450 ft. fence, etc. $115,000. A. C. Moore, Joplin, Mo., engrs.

**Mo., St. Louis** — Nov. 14, by Bd. Pub. Serv., 208 City Hall, 60 ft. 84 in. brick or segmental tile block and 535 ft. 54 in. concrete intake in Oakland Ave. Sewer Storm Outlet, and 2,750 ft. 8- to 33-in. brick, segmental block or vitr. sewer in Ohio-Montrose Public Relief Sewer. $27,520. W. W. Horner, city engr.

**Tex., Houston**—Oct. 30, by O. F. Holcombe, mayor, sanitary sewer in Patterson, Koehler, Gano and Ryan Sts., $25,000; storm sewer in Telephone Rd., Pen Bayou and sanitary sewer in Clark St., also bituminous topping 11th St., $25,000.

**Calif., Alhambra** — City Trustees taking bids, constructing sewers in various streets, 48,136 lin.ft. 8 in. vitr. pipe sewer, 1,738 wye branches, 1,059 lin.ft. 4 in. pipe house connections, etc. M. H. Irvine, city engr. Noted June 26.

### BIDS RECEIVED

**N. Y., New York**—J. Miller, pres. Manhattan Boro., Municipal Bldg., altering and improving sewer East 4th St., from McCormick & Matthews, $23,026. Noted Oct. 9.

**N. Y., St. George** — J. A. Lynch, pres. Richmond Boro., Boro Hall, temporary sanitary sewers in New Dorp, Oakwood and vicinity, from D. Bonnacci, 672 DeGraw St., Brooklyn, $125,722. Noted Oct. 16.

**O., Akron**—W. F. Peters, dir. Pub. Serv., Oct. 15, 4,360 ft. segmental block trunk sewer, inlets, manholes, etc., in South and Inman Sts., from Shullo Constr. Co., 990 Chalker St., $67,675.

**O., Silverton** (mail Pleasant Ridge, Branch Cincinnati P. O.)—Comrs. Hamilton Co. (Cincinnati) Sewer 1 for Dist. 1, here, 42,570 ft. 6 to 12 in. vitr. clay pipe, 30 cu. yd. concrete, etc., from W. Hennigan, Riddle Rd., Cincinnati, $98,797. Engrs. est. $106,096. Noted Oct. 2.

**Wis., Milwaukee** — J. H. Fowles, secy. Sewerage Comn., 508 Market St., Oct. 17, 100 x 500 ft., rein.-con. sludge storage building on Jones Island, from Dahlman Constr. Co., 456 Bway., $31,300. Noted July 24.

**Kan., Kansas City**—For 11,033 ft. 5- to 13-in. sewers in Fairfax D. D., from T. M. Torson Constr. Co., 2300 Washington Ave., Kansas City, Kan., $560,334. Noted Sept. 4.

**Calif., Carmel**—By-The-Sea 6, 8 and 10 in. sewers, 98 manholes, etc. in San Antonio Ave., etc., from Stroud Bros., & Seabrook, Union Ave., Bakersfield, $41,465.

**Calif., Santa Ana** — See "Streets and Roads."

### CONTRACTS AWARDED

**Conn., Wallingford** — For 8- to 22-in. sewers in Carleton, East, Clifton, South Cherry, Chester and South Main Sts., and 10,000 ft., sewers in South Main St., to O'Neil Bros., 22 Preston St., Hartford, $34,466 and $34,468 respectively. Engrs. est. $50,000 and $35,000 respectviely.

**N. C., Raleigh**—See "Streets and Roads."

**S. C., Kershaw**—See "Waterworks."

**O., Columbus**—W. H. Duffy, dir. Pub. Serv., to W. D. Sullivan, 750 ft., 6 and 10 in. sewer in Chittenden Ave., $1,646, 994 ft., 8 in. vitr., and 36 ft. 8 in. c.i. sewer in Westwood Drive, $1,948, 1,440 ft., 6 to 18 in. sewer in alley west of Lockbourne Ave., $3,048; to Yale Constr. Co., 146 Yale Ave., 10,207 ft., 6 to 12 in. sewer in Alley East Cleveland Ave., $15,341, 5,495 ft., 8 in. sewer in Ryan Ave., $9,064; to B. Canini, 1705 Shawnee Ave., 3,600 ft., 6 and 8 in. sewer in Olentangy St., $4,875, 15,042 ft., 12 to 30 in. sewer in Cleveland Ave., $46,443.

**O., Columbus**—See "Streets and Roads."

**O., Shaker Heights** (Cleveland P. O.)—For 5,515 ft. brick sewer in Courtland Blvd., and 3,695 ft. 8- to 30-in. vitr. tile sewer in Chesterton Rd., to J. B. Lynn, c/o Sewer Contrs. Exch., The Arcade, Cleveland, $28,858 and $13,473 respectively; 8,310 ft. 8- to 30-in. vitr. tile sewer in Shelburne Rd., to A. Marra Constr. Co., Ulmer Bldg., Cleveland, $26,823; 2,290 ft. 8- to 18-in. vitr. tile sewer in Sherbrooke Rd., to Sprague & Burkhardt, 11811 Browning Ave., Cleveland, $6,945; 4,070 ft. 8- to 18-in. vitr. sewer in North Park Blvd., to Hanna & Michael, Hanna Bldg., Cleveland, $14,800.

**Wis., Milwaukee**—Dept. Pub. Wks., vitr. sewers in 3rd, 5th, 7th and Midland Aves., to Milwaukee Sewer and Drainage Co., 928 Humboldt Ave., $56,795; vitr. and rein.-con. sewers in Oklahoma Ave. from 1st to 8th Aves. to J. Brogan & Sons, 700 Dousman St., Green Bay, $32,113; rein.-con. sewer in Oakland Ave. from 8th to 11th Aves., to H. Hohensee, Ludington Ave., Wauwatosa, $73,043.

**Wis., Stevens Point**—City laying 15,582 lin.ft. sewer pipe on thirteen streets, to J. M. Donahue, Normal Ave., $44,000.

**Tex., Luling**—Complete sewerage system, incl. mains, laterals and disposal plant, to R. J. Estep & Co., 812 Wilson Bldg. Dallas, approximately 40,000. Noted Oct. 2.

**Calif., Los Angeles**—Sewers in 83rd St. between Vermont and Western Aves., to J. Chutuk, 343 Wilcox Bldg., $32,119, engrs. est. $36,660; in Silver Lake Blvd., to Dalmatin & Gubo, 5316 8th Ave., $13,850. Noted Oct. 16.

**Ont., Kitchener** — Constructing sewage disposal plant to Ball Bros., Kitchener, $55,000. Noted Aug. 7.

**Ont., Riverside**—Constructing sewage disposal plant to Merlo, Merlo & Ray, Ford, $51,300.

**Ont., Toronto** — Constructing 4,000 ft. sewer in Bloor St. W., to J. O. Jerou, 90 Curzon St., $81,548.

**Ont., Toronto**—Contract for constructing 8,000 ft. vitr. tile sewer transferred from Dept. Pub. Wks., to W. R. Worthington Constr. Co., 57 Lascelles Blvd., $43,250.

## Waste Disposal

### PROPOSED WORK

**N. J., Princeton**—Boro. Council plans incinerator, at foot of Alexander St. $18,000. G. M. Brown, city engr.

**Tex., San Antonio**—City plans 60 x 90 ft., brick and rein.-con. Incinerator Plant 4, 40-80 ton capacity, West Travis and Las Moras Sts. I. Ewig, city engr.

### BIDS RECEIVED

**N. Y., Buffalo**—W. F. Schwartz, comr. Pub. Wks., garbage disposal plant, from Superior Incinerator Co. of Texas, 527 Wilson Bldg., Dallas, Tex., $265,700. Noted Sept. 4.

## Bridges

### PROPOSED WORK

**Vt., Brattleboro**—City plans bridge over West River on Putney Rd., $75,000 to $100,000. Engineer not selected.

**Conn., Bridgeport** — Fairfield Co., plans bridge at Stratford Ave., to exceed $25,000. J. A. McElroy, City Hall, engr.

**Conn., New Haven**—Engineering Dept., having plans prepared, stone and concrete bridge at Willow St. $70,000. E. S. Nettleton, City Hall, engr.

**N. Y., Jamestown**—Soon takes bids 1,200 ft. bridge. $300,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

**N. J., Ancora**—State Hy. Dept., Trenton, plans constructing superstructure and widening West Jersey & Seashore R.R. bridge, on White Horse Pike, here. $37,686. W. G. Sloan, Trenton, ch. engr. State and railroad to appropriate toward cost.

**Pa., Greensburg** — See "Streets and Roads."

**W. Va., Charleston**—Election Nov. 4, to vote on $1,500,000 bonds for 4 bridges over Kanawha River. H. Campbell, city engr.

**North Carolina** — See "Streets and Roads."

**North Carolina** — State Hy. Comn., Raleigh, **(S. P. means State Project)** soon takes bids rein.-con. bridge on S. P. 149, Hertford Co., $56,000; rein.-con. bridges and culverts S. P. 353, New Hanover Co., $35,000, S. P. 394, Robeson Co., $25,000, S. P. 405-B, Chatham and Lee Counties, $83,000. C. M. Upham, highway engr.

**Alabama**—State Hy. Dept., Montgomery, plans Leesburg Bridge, one 200 ft. and one 150 ft. draw span steel bridge, 4 concrete piers, over Coosa River, 1,026 ft. treated timber piles 20 tons reinforcing, 216 ft. treated timber, 900 cu.yd. concrete, 7,450 ft. treated timber piling, etc. $100,000. W. S. Keller, highway comn.

**Miss., Jackson** — See "Streets and Roads."

**La., New Orleans**—Comn. Council soon takes bids bridge across New Bason Canal at Carrolton Ave. $150,000. A. Klorer, city engr.

**Tennessee**—Gréene Co., (Greenville) and Cocke Co., (Newport), plan bridge over Nolochucky River on Greene-Cocke Co. line. $25,000.

**Wis., La Crosse**—Plans to issue $80,000 bonds to construct 168 ft. concrete arch bridge, Copeland Ave. C. C. Congdon, City Hall, engr.

**Wis., Racine**—City Park Bd., I. Farmer, supt., plans concrete bridge, in Washington Park. $25,000. Engineer not selected.

**Kan., Ft. Scott**—Bourbon Co. making preliminary plans 90 ft. steel truss span bridge 20 ft. roadway, concrete footings, etc. also 150 ft. steel truss span bridge, 20 ft. roadway, both on Project 6-B, near Garland. B. Boyle, Ft. Scott, engr.

**Kan., Kingman** — Kingman Co. plans seven 85 ft. low truss span bridge on Federal Aid Project 245-A, and four 85 ft. low truss span bridge on same road, near Rago. C. C. Martin, co. engr.

**Mo., Cassville**—Barry Co. election Nov. 4, $100,000 bonds concrete and steel bridges over White River.

**Arizona**—See "Streets and Roads."

**Arizona**—State Hy. Dept., Phoenix, making surveys and soundings, for new bridge, over Gila River, "Gillespie Dam," Maricopa Co., $300,000. W. C. Lefebure, highway engr.

**Tex., Rock Springs** — See "Streets and Roads."

**Tex., Sonora**—See "Streets and Roads."

**Oklahoma**—State Hy. Dept., Oklahoma City, making preliminary plans two 50 ft. span concrete and rein.-con., bridges at Mt. View, 120 ft. piling, etc. $30,000. J. M. Page, Capitol Bldg., Oklahoma City, engr.

**Okla., Ft. Gibson**—Muskogee Co. making preliminary plans four 75 ft. steel span bridge. $60,000. J. M. Page, Capitol Bldg., Oklahoma City, engr.

**Que., St. Dominique** — Dept. Provincial Highways, Quebec, plans bridge here. $30,000. I. E. Vallee, ch. engr.

**Ont., Preston** — Waterloo Co. making plans 450 ft. steel bridge 3 mi. north of here. $80,000. F. H. Midgeley, 78 Water St., Galt, engr.

### BIDS DESIRED

**Massachusetts**—Oct. 30, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, rein.-con. bridge and approaches over Charles River at Arsenal St., between Boston and Watertown. J. R. Rablin, chf. engr. Noted Sept. 25.

**S. C., Lexington**—Nov. 5, at office Bd. Comrs. Lexington Co., Court House, 172 ft. rein.-con. bridge over Chinquapin Creek, on State Route 391. State Highway Engineer, Main St., Columbia, engr.

**Alabama**—Nov. 5, by State Hy. Dept., Montgomery, 2 bridges on Seal-Huntsboro Rd., Russell Co., 111,487 ft. treated timber structures, 3,980 ft. treated timber piles, 10 test piles, etc. W. S. Keller, highway comr.

**Alabama**—Nov. 12, by State Hy. Dept., Montgomery, temporary bridges and approaches to bridge on Wedowee-Chamber Co. line Rd., Randolph Co., 1,065 cu.yd. class A concrete, 180,802 lb. reinforcing, 806 cu.yd. earth, 731 cu.yd. wet and 93 cu.yd. rock excav., 990 ft. type C handrail, etc. W. S. Keller, highway comr.

**La., Tangipohoa**—Nov. 6 (extended date), by State Hy. Comn., Reymond Bldg., Baton Rouge, 161 ft. steel swing span bridge over Pass Manchac, on Federal Aid Project 133, St. John the Baptiste and Tangipohoa Parishes. Noted Oct. 16.

**South Dakota** — Oct. 28, by State Hy. Comn., Pierre, one 128 ft., one 144 ft., one 40 ft., and one 160 ft., concrete viaducts, on Federal Aid Project 185 C, Lyman Co., 69,143 lb. reinforcing and 276,443 lb. structural steel, etc.; one 30 ft. and one 20 ft. concrete viaduct on Federal Aid Project 170 C, Lake Co., 82,100 lb. reinforcing, and 31,124 lb. structural steel, etc.; one 50 ft. concrete viaduct on State Aid Project 107, Tripp Co., 11,923 lb. reinforcing, etc. F. D. Hudgins, ch. engr.

**Tex., Brady**—Oct. 28, by E. A. Burrows, engr., bridges and culverts on 19.37 mi. State Highway 10, State Aid Project 538-A-C. $60,000.

**Illinois**—See "Streets and Roads."

**Wis., Kaukauna**—Nov. 12, by L. C. Wolf, city clk., one 90 ft. vertical lift span bridge and approaches over Government Canal, and four 76 ft. span bridge with concrete piers and abutments over Fox River. $100,000. Work involves 340 tons structural steel, 19 tons machinery, and sheet asphalt paving each bridge. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs. Noted Oct. 9.

**Nebraska** — Oct. 31, by A. S. Dolezel, clk. Saunders Co., 3 bridges with twelve

Bridges (Continued)

100 ft. low riveted trusses, 20 ft. roadway etc., across Platte River on Federal Aid Project 235-A, Douglas and Saunders Counties. $300,000. R. L. Cochran, Brownwell Bldg., Lincoln, engr. Noted Oct. 9.

**Calif., Merced** — Nov. 18, by H. P. Sargent, secy., Merced Irrigation Dist., steel railway bridges on Yosemite Valley R.R., separate bids on concrete piers and abutments involving 28,000 cu.yd. concrete, furnishing 3,600 tons structural steel, and erecting steel work. $1,000,000. R. V. Meikle, dist. ch. engr.

**Calif., Santa Ana** — J. M. Backs, clk. Orange Co., taking bids twenty-three 19 ft. timber, and 70 ft. movable plate girder span bridge with 106 ft. creosoted bulkhead at each end, at upper arm of Newport Bay. J. L. McBride, co. rd. comr. Noted Jan. 17.

BIDS RECEIVED

**Minn., Zumbo Falls**—State Hy. Dept., St. Paul, Oct. 7, Bridge 4320, 280 ft. long, on concrete, State Project 59-21, near here, from T. Jensen, Tracy, $26,870. Noted Oct. 2 under "Minnesota."

**Tex., Floresville** — See "Streets and Roads."

**Tex., Sweetwater** — See "Streets and Roads."

**Calif., Bakersfield**—Kern Co. rein.-con. girder bridge over Cole's Levee, from N. Lovelace, Visalia, $31,001; also rein.-con. girder bridge over Kern River, from Proctor & Cleghorn, Rosenberg Bldg., Santa Rosa, $56,584. Noted Sept. 18.

**Calif., Yuba City—Sutter Co.,** constructing Nicolaus Causeway, from Holdener Constr. Co., 2608 R St., Sacramento, 2,200 lin.ft. structure job complete, $169,850, west 324 ft. of structure $25,459, west 324 ft. of structure with wooden approach $31,317, and per span for 10 additional spans $2,750. Noted Aug. 7.

CONTRACTS AWARDED

**N. J., Long Branch** — Bd. Freeholders Monmouth Co. (Freehold), constructing 60 ft. plate girder bridge on Atlantic Ave., here, to J. A. Howland, Sea Bright, $51,560. Noted Sept. 18.

**Pa., Turtle Creek—Alleghany Co. (Pittsburgh),** masonry and approach filling for Bridge 6, on Lincoln Highway, to McManus Potter Co., Phila. Noted June 12.

**Maryland**—State Rds. Comn., Baltimore, two new bridges, concrete girders over Patapsco River, to Christhilf & Ensey, 1625 Ridgely St., Baltimore, $73,892; bridge and macadam roadway, Contr. W-35, Worcester Co., to I. G. Robinson, Hancock, $16,000.

**North Carolina** — State Hy. Comn., Raleigh rein.-con. bridges and culverts on State Project 582, Randolph Co., to Kiker & Yount, Reidsville, $87,820.

**Fla., Arcadia**—DeSota Co., 240 ft., span, rein.-con. bridge, 18 ft., roadway, 20 ton capacity over Peace River to Luten Bridge Co., West Market St., York, Pa. $25,000. Noted Sept. 18.

**Alabama**—See "Streets and Roads."

**Alabama** — State Hy. Comn., Montgomery, 2 span 350 ft. bridge over Cahaba River, Perry Co., and several concrete bridges on Perry Co. Highway, to Bosworth Smith Co., 1st Natl. Bank Bldg., Montgomery, $61,689 and $25,553 respectively. Engineers est. $62,000 and $26,000 respectively.

**Ia., Audubon**—Audubon Co., three I-beam bridges, one 20 x 60 ft. pony truss, one 2 span 20 x 110 ft. high truss, one 20 x 80 ft. pony truss and one slab bridge, 46 box culverts, raising abutments of 20 x 70 ft. pony truss bridge, to Lundgren-Reis, 65 College Ave., Des Moines, $55,000, Snyder & Johnson, Spencer, $40,000 and Ingersoll-Stouffer Eng. Co., Marshalltown, $8,000. Noted Oct. 2.

**Michigan** — State Hy. Dept., Lansing, constructing Bridge 750303, 371 cu.yd. concrete, 35,890 lb. steel, to Chernus Constr. Co., 724 Plymouth Bldg., Minneapolis, Minn., $14,873.

**Texas** — J. T. Kemp, judge Milam Co. (Cameron) and Robertson Co. (Franklin) 210 ft. steel bridge with 2 spans over Brazos River, to Wisconsin Iron and Bridge Co., North Milwaukee, $162,220. Noted Sept. 25.

**Calif., Los Angeles**—City Tropico Bridge over Los Angeles River, on Los Feliz Rd., 5,695 cu.yd. concrete, 15,500 lin.ft. piling, 9,200 lin.ft. earth fill, to T. S. Kelly & Sons, Hillstreet Bldg., $153,229. Engrs. est. $140,000. Noted Oct. 9.

# Dams

PROPOSED WORK

**Mo., Poplar Bluff**—Local Syndicate, c/o W. H. Meredith, having preliminary surveys made power dam to check waters Black River also hydro-electric power plant. $4,000,000. R. I. Randolph, 38 South Dearborn St., Chicago, engr.

**Texas**—State c/o State Bd. Water Engineers, Austin, making plans dam on Clear Fork River to reclaim 90,000 acres in Throckmorton, Shackelford, Stephens and Young Counties. $1,500,000. J. A. Norris, Austin, chn. State Water Comn.

CONTRACTS AWARDED

**Wis., Crivitz** — See "Buildings—Industrial."

**Calif., Los Angeles**—Supervs. Los Angeles Co., arch concrete dam, etc., in Pacoima Canyon, to Brent Bros., 418 South Pecan St., $796,068; also at point in Big Santa Anita Canyon about 3 mi. north of Arcadia, to Ross Constr. Co., Oschner Bldg., Sacramento, $428,970. Noted Sept. 4.

**Ont., Mattawa** — Mattawa Electric Co., constructing concrete dam cofferdam work, etc., to Angus & Taylor Ltd., Angus Blk., North Bay. Engrs. est. $50,000.

# Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

**La., New Orleans**—Lake Front Development Co. plans new 300 acre lake front subdivision incl. dredging, erecting wide levee basin, widening boulevards, surfacing streets, concrete curbing, cement sidewalks, water mains, etc. J. F. Turnbull, 332 Barrone St., vice. pres.

**Ill., Ridgway**—Gallatin Co. (Shawneetown), making preliminary plans straightening White Oak Creek for protection 3,500 acres about 4 mi. west of here. Roetel & Roetel, attys. for new district being formed. W. W. Stokes, Carmi, engr.

**Mo., Marshall**—Sweet Springs D. D., c/o W. W. Harms, having preliminary plans prepared system levees and drainage districts for protecting 14,000 acres. J. H. Nolan, Sweet Springs, engr.

**Neb., Schuyler** — Platte — Colfax D. D. making preliminary plans 3 mi. open ditch work. $21,500. J. Stebal, Jr., Schuyler, and L. F. Gottschalk, Columbus, engrs.

**Tex., San Angelo**—J. Y. Rust, pres. San Angelo Telephone Co., soon takes bids removing high poles and cables from Chadbourne St. from North Concho River viaduct to Harris St., making possible 1,000 additional connections. $50,000. T. Stewart, c/o Southwestern Bell Telephone Co., 215 East Travis St., Ft. Worth, engr.

**Calif., Palmdale** — Palmdale Irrigation Dist. plans to vote $100,000 to improve construct approximately 6 mi., rein.-con. lined, ditch. Approximately $60,000.

**Calif., San Francisco**—State Bd. Harbor Comrs., Ferry Bldg., making plans dredging, also building rock retaining walls and wharves on 1,400 ft. stretch of land at Islais Creek, 1,000 ft. wide, San Francisco Co. $500,000. F. G. White, Ferry Bldg., San Francisco, engr.

BIDS DESIRED

**New York** — Nov. 18, by F. S. Greene, supt. Dept. Pub. Wks., Albany, straightening, deepening and improving waterways on Canisteo River, Chancey Run, Canacadea and Crosby Creeks in city of Hornell and town fo Hornellsville; adv. E. N.-R. Oct. 23.

**Fla., Tampa**—Nov. 5, by H. S. Prince, secy. Harney D. D., 512 Franklin St., 27.5 mi. ditches, 446,000 cu.yd. excav., in Hillsborough Co. $60,000. B. M. Sullivan, 510½ Franklin St., engr.

**Colo., Sterling**—Nov. 1, by Pioneer D. D. Logan Co., excavating approximately 5 mi. open drainage ditch. W. E. Whittier, secy.; adv. E. N.-R. Oct. 23.

CONTRACTS AWARDED

**Fla., Tampa**—Hillsborough Co., 125,000 cu.yd. hydraulic fill on sea wall to McGucken & Edwards, 204 Nebraska Ave., $35,000. Noted Oct. 2.

**Fla., Tampa** — D. P. Davis Properties, Inc., adding 700 acres to Davis Island, 9,000,000 cu.yd. floating dredgework, to Northern Dredge & Dock Co., Tampa, and at High Dam Ford Plant, Minneapolis, Minn. Archts. est. $2,000,000.

**La., Lake Charles**—Police Jury Calcasieu Parish, constructing Sects. 1A and 7, of Navigation Channel, 250,000 cu.yd. in Sabine River 500,000 cu.yd. in Sabine Cut-off, 450,000 cu.yd. in Calcasieu River, 2,400,000 cu.yd. in Rose Bluff Cut-off, and 250,000 cu.yd. in Old Cut-off, to United Dredging Co., 323 Security Bldg., Galveston, Tex., $454,300.

**Miss., Clarksdale**—Hopson Bayou D. D., Sub-Dist. 2, Coahoma Co., 10 mi. small ditches, 120,000 cu.yd. excav., etc., to Forgy & Hanson, Clarksdale, at $0.127 per cu.yd. Noted Sept. 25.

**Miss., Clarksdale**—Yazoo-Mississippi Delta D. D., Coahoma Co., 25,000 cu.yd. banquette enlargement, Sect. 4 and part of Sect. 5, Old Ward Lake Levee, to G. L. McWilliams, Farrell, at $0.31 per cu.yd. Noted Sept. 18.

**Calif., Grimes** — Reclamation Dist. No. 108 to Ajax Dredging Co., 249 First St., San Francisco, 160,000 cu.yd. earth excav., $0.15 per cu.yd.

**Calif., Merced** — Directors of Merced Irrigation Dist., 33,000 cu.yd. excav., to J. Phillips, 637 Santa Ray Ave., Oakland, $5,940; 250 M ft. timber in bridge, drops, checks and sidegates, installed by district forces; furnish and install 700 lin.ft. 24- 30- 36-in. concrete pipe culverts, 100 cu.yd. concrete in headwalls, etc., to Merced Concrete Pipe Co., Merced, $2,794; furnish 250 M ft. timber, to Redwood Mfrs. Co., Pittsburgh, $8,737. Noted Oct. 2.

# Streets and Roads

PROPOSED WORK

**New Hampshire**—State Highway Dept., Concord and Town of Hinsdale plan constructing Northfield Rd., from Hinsdale to Massachusetts State Line. $70,000. F. E. Everett, comr.

**Mass., Boston**—Making plans widening and resurfacing road through Franklin Park from Forest Hills to Columbia Rd., 30 ft., $50,000. J. J. Murphy, 33 Beacon St., engr.

**Mass., Medford** — Com. on Highways, Medford Bldg., making plans widening River St. from Salem St. to Riverside Dr., $25,000. Engineer not selected.

**Pa., Clearfield** — Clearfield Co. election Nov. 4, $50,000 bonds improving roads in Woodward, Decatur, and Sandy Twps., etc.

**Pa., Greensburg** — Westmoreland Co. election Nov. 4, $3,500,000 bonds roads and bridges.

**Pa., Indiana City**—Indiana Co. election Nov. 4 for bond issues for road improvement in following Townships, White Twp. $75,000, Grant Twp. $50,000, Buffington Twp. $75,000, East Mahoning Twp. $40,000, North Mahoning Twp. $40,000.

**Pa., New Castle**—Making plans grading, curbing and vitr. brick on rein.-con. paving 1,900 ft. Winslow Ave. between Washington St. and Stanton Ave., 24 ft. $43,000. F. F. Miller, City Bldg., engr.

**W. Va., Ronceverte** — Greenbrier Co. Meadow Bluff Dist. election Nov. 4, $88,500 bonds for roads. P. C. Hogsett, co. clerk.

**North Carolina** — State Hy. Dept., Raleigh, (S. P. means State Project) soon takes bids grading and rein.-con. bridges and culverts on S. P. 941, Haywood Co., $80,000, 16.3 mi. S. P. 792, Yadkin Co., $30,000, S. P. 441, Harnett Co., $25,000, S. P. 488, Wake Co., $50,000, 6.8 mi. S. P. 982, Swain Co., $50,000; grading and penetration macadam surfacing 5 mi. S. P. 648, Lincoln Co., $70,000, 9.9 mi. S. P. 646-B, Lincoln Co., $140,000; grading 12.5 mi. S. P. 394, Robeson Co., $50,000, 7.6 mi. S. P. 353, New Hanover Co., $64,000; grading and topsoiling underpass 1.7 mi. S. P. 418, Franklin Co., $30,000. C. M. Upham, highway engr.

**La., New Orleans** — See "Excavation, Drainage, Irrigation, Levees."

**Fla., Fort Meade**—Plans asphalt paving portions of South Palmetto Ave. and North 1st St., etc. $52,000. L. E. Wade, town clk.

**Miss., Grenade** — Grenade Co. election Nov. 13, $150,000 bonds for roads in Grenade Dists. 1 and 3.

**Miss., Hattiesburg**—Forrest Co. election Nov. 6, $250,000 bonds for improving roads. Noted Oct. 2.

**Miss., Jackson**—Hinds Co. election Oct. 29, $2,000,000 bonds for roads and bridges. H. C. Dietzer, Jackson, engr.

**Miss., Oxford**—Election Nov. 4, $675,000 bonds for roads.

**Miss., Sardis**—Central Road Dist. election Nov. 1, $25,000 bonds for roads.

**Tennessee** — State Dept. Hys. & Pub. Wks., Nashville, plans improving 14 mi. Sevierville-Newport-Mt. Le Conte Rd.,

Streets and Roads (Continued)

Sevier Co. $36,000. J. G. Creveling, highway comr.

**Tennessee** — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 5.5 mi. Monteagle-Coffee Co. line Rd., Grundy Co. J. G. Creveling, highway comr.

**Tenn., Greenville**—Green Co. voted $36,500 for improving 20 mi. Hawkins Co. line Rd.-North Carolina State Line Rd., probably waterbound macadam surfacing. Noted May 29.

**O., Cambridge**—City council takes bids in about 30 days improving North 6th St., and Carlisle Ave., $50,000.

**O., Kenmore** — Plans improving Corey Ave., and Wilbeth Rd. $55,000.

**O., New Philadelphia**—Plans asphalt resurfacing 0.5 mi. East Ave., 40 ft. $25,000. E. Stingel, New Philadelphia, engr.

**O., Ravenna**—Portage Co., plans improving 2.5 mi. Edinburg Center Rd., 16 ft., $50,000.

**O., Youngstown** — Mahoning Co., plans improving Smith-Goshen Twp., Rd. east of Sebring, $40,000, 3 mi. Bests Station Rd. $50,000, 1½ mi. Courtney Rd., north Sebring, $30,000.

**Michigan** — State Hy. Dept. at office Comrs. Antrim Co., Bellaire, rejected bids Oct. 10, grading and surfacing 1.75 mi. State Trunk Line Rd. 11-73.

**Ia., Ft. Dodge**—Webster Co. making preliminary plans grading and gravel surfacing 7 mi. Lundgren-Lehigh Rd., 4 mi. Dayton-Boone Co. line Rd., and 5 mi. Gowrie-Green Co. line Rd., Primary Rds. 50, 90 and 16. $48,000. G. Burnet, Ft. Dodge, engr.

**Ia., Grundy Center**—Grundy Co. plans election in November $582,000 bonds for roads.

**Ia., Indianola**—Making preliminary plans grading, concrete, asphalt or brick paving 75,000 sq.yd. various streets, $250,000. Brown & Cook, Ottumwa, engrs.

**Minn., Kasson**—Plans paving, etc., 20,000 sq.yd. various streets. $50,000. Jones & Curtis, Fairmont, engrs.

**Minn., Moorhead**—Plans paving, etc., 6 blocks 4th Ave. S. $25,000. R. G. Price, city clk.

**Kan., Garnett**—Anderson Co. plans grading and feather edge surfacing 8.474 mi. Federal Aid Project 113-B, 18 ft. F. T. Bambrake, Garnett, engr.

**Kan., Garnett**—Making preliminary plans grading and paving, etc., 4 blocks Walnut St., brick on concrete, brick block on concrete or rein.-con. $25,000.

**Kan., Larned**—Pawnee Co. making preliminary plans grading and sand clay surfacing 12.037 mi. Larned-Belpre Rd., 18 ft. Federal Aid Project 281-A. V. Stewart, Larned, engr.

**Kan., Salina**—Salina Co. making preliminary plans grading and sand clay surfacing 5.022 mi. Meridian Rd., 18 ft. W. H. Cowt, Salina, engr.

**Neb., Papillion** — Election soon $45,000 bonds, gravel surfacing 8 mi. Melia-Douglas Rd., Sarpy Co. R. L. Cochran, Brownell Bldg., Lincoln, engr.

**N. D., La Moure**—La Moure Co., rejected bids Sept. 4, graveling, 15 mi. Federal Aid Project 94, 119,990 cu.yd. load, unload spread and screen, 85,500 cu.yd. mi. haul, 5,550 cu.yd. stripping pits, etc. $25,000. W. I. Stuble, co. aud. Noted Aug. 28.

**South Dakota** — State Highway Dept., Pierre, plans improving about 13 mi., Federal Project in Lake Co. F. D. Hudgins, ch. engr.

**Kan., Hutchinson** — Making preliminary plans grading and asphaltic concrete on concrete paving 12 blocks 7th and 8th Sts. and sidewalks on Elm St. R. B. Lee, City Hall, engr.

**Kan., La Cygne**—Linn Co. (Mound City), making preliminary plans grading and vitr. brick on concrete paving 0.883 mi. Federal Aid Project 146-B, 18 ft., here. $25,000. C. E. Kenney, Mound City, engr.

**Kan., Lyons**—Rice Co. making preliminary plans grading culverts, etc., 20 mi. county roads, 28 ft. S. Ainsworth, Lyons, engr.

**Kan., Lyndon** — Osage Co. making preliminary plans grading and brick or concrete paving 1.647 mi. Federal Aid Project 266-B, 18 and 20 ft. R. Hopper, Lyndon, engr.

**Kan., Oswego** — Labette Co. making preliminary plans grading and gravel surfacing 10.08 mi. Federal Aid Project 214-A and B, 18 ft. H. K. Shidler, Oswego, engr.

**Kan., Topeka**—Shawnee Co. plans concrete surfacing 3.942 mi. Federal Aid Project 141 C-1, 18 ft., 2.555 mi. Sect. C-2, 18 ft. and 3.933 mi. Sect. D, 18 ft. L. C. Lagerwall, co. engr.

**Ark., Little Rock**—Plans hard surfacing, etc., 4,000 sq.yd. in annex to Dist. 335, $18,000, also 6,000 sq.yd. paving, etc., in Fairfax Terrace, Dists. 396 and 397, V. P. Knott, 407 Southern Trust Bldg., engr.; concrete, asphalt or asphaltic concrete surfacing 25 blocks Clifford and other streets, Pulasaki Heights Dist., A. M. Lund, Southern Trust Bldg., engr.; asphalt on concrete surfacing Main St., engineer not announced.

**Tex., Albany**—Shackelford Co. takes bids after Nov. 1, hard surfacing State Highways 23, 1 and 18. $500,000 bond issue to be supplemented by $300,000. State and Federal Aid. J. E. Pirie, Albany, engr.

**Tex., Coleman** — Making plans grading, bridging and permanent asphaltic paving on waterbound macadam on various roads. $70,000. Terrell-Bartlett, 612 Calcasieu Bldg., San Antonio, engrs.

**Tex., Jacksboro**—Jack Co. rejected bids Oct. 3, grading and bridging 17.38 mi. State Aid Project 537, State Highway 39. $260,000. G. R. Johnston, Jacksboro, engr.

**Tex., Rock Springs** — Edwards Co. having revised plans prepared and soon takes bids shell surfacing 1.07 mi. State Highway 62, State Aid Project 507, 18 ft. $32,000. V. O. Ellis, Newton, engr.

**Tex., Rock Springs**—Edwards Co. making plans grading and bridging 16 mi. State Highway 41, west of here. $60,000. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs.

**Tex., San Antonio** — Bexar Co. making plans regraveling 3.5 mi. Gonzales Rd., from present surface to county line. $25,000. R. E. Kilmer, c/o Courthouse, engr.

**Tex., Sonora**—Sutton Co. takes bids after Oct. 27, grading and bridging 19.84 mi. State Highway 27, 18 ft. $83,000. H. P. Stockton, Jr., Sonora, engr.

**Oklahoma**—State Hy. Dept., Oklahoma City, made surveys grading and culverts 7 mi. Purcell-Paoli Rd., 600 cu.yd. concrete, 55,000 cu.yd. earth and 7,000 cu.yd. rock excav. McLain Co. $80,000. J. M. Page, highway engr.

**Okla., Mangum** — Plans grading and paving 15 blocks various streets. $100,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

**Okla., Oilton**—Plans grading and paving 6 blocks Dist. 3, 5,500 sq.yd. concrete, 3,250 lin.ft. curbing, 1,900 cu.yd. excav. $25,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

**Okla., Oklahoma City** — Plans grading and paving 0.6 mi. 17th St., 15,000 sq.yd. asphalt, 10,000 lin.ft. curb. and gutter, 5,000 cu.yd. excav. $30,000. B. M. Hart, City Hall, engr.

**Okla., Stroud**—Plans grading and paving 5 blocks Central and Lincoln Sts., Dist. 2, 6,000 sq.yd. vertical fibre brick, 3,100 lin.ft. concrete curbing, 2,100 cu.yd. excav. $30,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

**Okla., Wewoka** — Plans grading and paving 5 blocks East Church St., 2,200 sq.yd. vertical fibre brick, 3,000 ft. curbing, 1,000 cu.yd. excav. $26,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Arizona** — Election Nov. 4, $3,500,000 bonds, improving Week End Trail Highway, from Hassayampa, Ariz., connecting Yuma Route near Mecca, Calif., also one-third of bridge over Colorado River.

**Ariz., Tombstone** — Cochise Co. plans grading and gravel surfacing 8 mi. Bowie-Safford Rd. $35,000. S. Smith, Tombstone, engr.

**Wash., Longview** — Longview Co. plans constructing 10 mi. street improvements, concrete paving, grading, etc., 20th Ave. and Olympia Way, opening 100 acres in Columbia Valley Gardens, extending Ocean Beach Highway through Columbia Valley Gardens and furnishing water to Hillside Acres Suburban Dist.

**California**—State Highway Dept., Sacramento, plans improving Main St. in Corning. To exceed $25,000. Town of Corning plans to vote bonds to finance paving strip 24 ft. on each side of highway pavement. R. M. Morton, highway engr.

**Calif., Long Beach**—Made plans to improve portions of Redondo Ave., Anaheim and Shirley Sts. L. D. Van Alstine, city engr.

**Calif., Mountain View**—Plans improving approximately 50 blocks various streets, 475,000 sq.ft. paving. C. C. Kennedy, Call Bldg., San Francisco, engr.

**Calif., Santa Cruz**—Made plans improving South Branciforte Ave., 110,235 sq.ft. grading, 110,235 sq.ft. 5 in. concrete paving, sidewalks, curbing, culverts, etc. H. E. Godegast, city engr.

**Calif., Santa Cruz**—Made plans improving Clinton St., 48,141 sq.ft. grading, 48,141 sq.ft. 1 in. asphaltic macadam surfacing on 4 in. macadam base, 3,822 sq.ft. concrete guttering, etc. H. E. Godsgast, city engr.

**Calif., Seal Beach**—Plans paving, etc., 5th, 6th and 7th Sts. W. Hillyard, city, engr.

**Quebec**—Dept. Provincial Highways, Quebec, plans 192 mi. new national highway in northeastern section from Quebec to Chicontimi. $3,000,000. G. Henry, ch. engr.

**Ont., Hamilton** — Barton Twp. making plans penetration asphalt paving ½ mi. Barton St. $35,000. H. Lumsden, Highfield Cottage, engr.

**Que., Hull**—Plans new pavements, $137,950 and new sidewalks $41,684. T. Lanctot, city engr.

**Ont., Kincardine**—Plans concrete paving Main St. $35,000. A. Armitage, mayor.

**Ont., Niagara Falls**—Making plans concrete paving 2nd Ave. $30,000. T. S. Scott, city engr.

**Ont. St. Catharines**—Plans asphaltic concrete paving Chestnut and Highland Aves. $32,000. B. F. Lamson, city engr.

## BIDS DESIRED

**New York**—Oct. 31, by A. W. Brandt, comr. State Hy. Dept., Albany, constructing and reconstructing highways in Lewis, Livingston, Orleans, Rockland, Schoharie, Steuben, Wayne, Westchester, Delaware and Montgomery Counties; adv. E. N.-R. Oct. 23.

**N. Y., Long Island City**—Oct. 29, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks, etc. on Hobson Ave.

**N. J., Trenton** — Oct. 28, by Bd. Freeholders Mercer Co., constructing Edinburg-Locust Corner Rd., 17,500 cu.yd. excav., 41,300 sq.yd. bituminous treated gravel surface, etc. $150,000. H. F. Harris, Court House, engr.

**Pa., Phila.**—Oct. 27, by G. H. Biles dir. Pub. Wks., grading Durham St.; asphalt paving Edna, Ogontz and Sansom Sts.; asphalt repaving Gordon St.; also surfacing Oxford St.

**W. Va., Clarksburg**—Oct. 28, by Harrison Co. Court, bituminous macadam surfacing 2.5 mi. Gregory Run Rd., 16 ft., 4 mi. Katy Lick Run-Sardis-Catfish Run Rd., 16 ft., 2 mi. Twin Bridge-Big Rock Camp Rd., 14 ft., 7.5 mi. Shinnston-Middlebourne-Little Ten-Mile Creek Rd., 16 ft., 1 mi. Shinnston-Middlebourne-Big Elk Rd., 14 ft., and 1 mi. Shinnston-Middlebourne-Mudlick Run Rd., 14 ft., all in Sardis Dist. C. N. Parrish, clk.

**S. C., Union**—Oct. 31, at office J. V. Askew, superv. Union Co., constructing 3.15 mi. Sulphur Springs Rd., 10,565 cu.yd. common excav., 7,700 cu.yd. topsoiling.

**Fla., Okeechobee**—Nov. 17, by Mayor and City Council, paving and waterworks improvements. F. F. Lawrence, Okeechobee, engr.; adv. E. N.-R. Oct. 23.

**Alabama** — Nov. 5, by State Hy. Dept., Montgomery, improving 17.85 mi. Hurtsboro-Seale Rd., Russell Co., 36,734 acres clearing and grubbing, 199,988 cu.yd. earth and 100 cu.yd. rock excav., 89,283 sq.yd. overhaul, 133,124 lb. reinforcing, etc. W. S. Keller, highway engr.

**Alabama**—Nov. 12, by State Hy. Dept., Montgomery, improving 17.128 mi. Wedowa-Chambers Co. line Rd., Randolph Co., 31,284 acres clearing and grubbing, 180,398 cu.yd. earth and 13,508 cu.yd. rock excav., 3,596 cu.yd. overhaul, 45,762 ft. guard rail, 42,441 lb. reinforcing, etc. W. S. Keller, highway engr.

**Louisiana**—Oct. 28, by State Hy. Dept. Reymond Bldg., Baton Rouge, grading and graveling State Project 418 A, Jennings Lake Arthur Highway, Jefferson Davis Parish. J. M. Fourmy, ch. engr.

**Louisiana**—Nov. 6, by State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 9 mi. Greensburg-Clinton Highway between Greenburg and Amite River. J. M. Fourmy, ch. engr.

**Michigan**—Oct. 30, by State Hy. Dept. at office Comrs. Roscommon Co., Roscommon, grading and surfacing 6.725 mi. State Trunk Line Rd. 76-8, 58,162 cu.yd. excav., 63,216 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

**Michigan**—Oct. 30, by State Hy. Dept. at office Comrs. Menominee Co., Menominee, grading and surfacing 10.132 mi. Federal

Streets and Roads (Continued)

Aid Project 110, 101,773 cu.yd. excav., 108,453 sq.yd. gravel-stone, etc. G. C. Dillman, Lansing, ch. engr.

**Illinois**—Nov. 12, by Dept. Pub. Hys. & Buildings, Div. Highways, Springfield, paving 284.29 mi. roads in various counties, 18 ft., alternate bids on monolithic and bituminous filled brick, bituminous concrete or Portland cement concrete; grading and widening 8.13 mi. roads, 118,973 sq.yd. excav., 225 sq.yd. concrete; also 4 concrete and 1 steel bridges, 1,396 sq.yd. concrete, 50,930 lb. structural steel. Bids taken only on condition that $100,000,000 bond election of Nov. 4, is voted. F. T. Sheets, ch. engr.

**Ia., Elkader**—Oct. 28, curbing, guttering and paving 36,000 sq.yd. various streets. rein.-con., vibrolithic concrete, asphaltic concrete, Willite or Warrenite bitulithic. $105,000. R. Embke, city clk.

**Minn., St. Paul**—Oct. 28, by H. W. Austin, city purch. agt., paving, etc. Cleveland Ave. and Ford Rd., 23,278 sq.yd. sheet asphalt, 5,190 sq.yd. brick, etc. G. M. Shepard, city engr.

**Kan., Concordia** — Nov. 20, by Clerk Cloud Co., grading, etc., 4.2 mi. Federal Aid Project 200-B, 4,976 sq.yd. concrete, 4,339 lin.ft. hedge, 1,434 cu.yd. channel excav., 9,260 ft. hedge, 2,210 cu.yd. borrow, 39,535 cu.yd. earth and 600 cu. yd., rock excav., 30,037 lb. reinforcing, etc. L. L. Dudley, co. engr.

**South Dakota**—Oct. 28, by State Hy. Comn., Pierre, grading 12.22 mi. Federal Aid Project 170C, Lake Co., 113,633 cu. yd. common excav. 38,001 lb. reinforcing, etc.; 9.81 mi. Federal Aid Project 185C, Lyman Co., 59,859 cu.yd., common excav., 29,259 lb. reinforcing, etc. F. D. Hudgins, ch. engr.

**South Dakota**—Oct. 28, by State High Dept., Pierre, grading 11.06 mi. Federal Aid Project 186 B, Sanborn Co., 135,486 cu.yd. common, 2,657 cu.yd. loose rock excav., 13,522 lb. reinforcing steel, 9.64 mi. Federal Aid Project 186 C, Sanborn Co., 87,742 common, 206 cu.yd. loose rock excav., 14,162 lb. reinforcing steel, 13.83 mi. Federal Aid Project 188 A, Miner Co., 75,000 cu.yd. common excav., 5,960 lb. reinforcing steel; one 186 ft. and one 224 ft. viaduct and one special 10 x 10 ft., box culvert, 72,683 lb. reinforcing, and 105,935 lb. structural steel. F. D. Hudgins, ch. engr.

**Tex., Boston**—Oct. 28, by J. B. Pirkey, judge Bowie Co., scarifying, reshouldering and rein.-con. surfacing 3 mi. New Boston-Texarkana Highway, Federal Aid Project 415-A, 18 ft. $87,230. F. E. Hess, Medical Arts Bldg., Dallas, engr.

**Tex., Floresville**—Nov. 6, by F. E. Hess, engr., Medical Arts Bldg., Dallas, grading, bridging and surfacing 14.52 mi. State Highway 16, Federal Aid Project 434-A, 18 ft., $260,000; 12.12 mi. State Highway 81, Federal Aid Project 440-A, 18 ft., $210,000; 9.06 mi. State Highway 81, 18 ft.; 9.43 mi. State Highway 81, Federal Aid Project 440-B, 18 ft., $170,000.

**Tex., Gainesville**—F. M. Savage, city secy., City Hall, taking bids paving 20 blocks main residence streets, bitulithic or brick. J. E. Nolam, c/o Court House, engr.

**Tex., Henderson**—A. J. Deason, mayor, taking bids paving 10,000 sq.yd. City Square, also 600 ft. curb and gutter, etc. $30,000. F. E. Hess, City Hall, engr.

**Tex., Houston**—See "Sewers."

**Tex., Nacona** — Taking bids permanent paving various streets, 9,620 sq.yd. brick, asphalt or concrete, 4,000 lin.ft. curb and gutter, 3,600 cu.yd. earth excav. $28,000. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

**Oklahoma**—Oct. 28, by State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, concrete surfacing 0.9976 mi. F. A. P. 124-B, Kingfisher Co., 5.89 mi. F. A. P. 73, Tulsa Co.; grading 4.976 mi. F. A. P. 128-A, Creek Co., 5.147 mi. F. A. P. 15-C, 4.692 mi. F. A. P 103-B and C, Ottawa Co., grading 6.7697 mi. F. A. P. 167, Kay Co.; gravel surfacing 3,250 ft. S. A. P. 26, Carter Co., 2.5 mi. S. A. P. 25, Ottawa Co.; concrete girder bridge on F. A. P. 131-A, Oklahoma Co., bridge over North Canadian River near Keohuk Falls, S. A. P. 24, Tulsa Co. J. M. Page, highway engr.

**Okla., Wetumka**—Nov. 5, by C. N. Hamilton, city clk., improving 7 blocks Bway., 14,000 sq.yd. vertical brick paving, 7,500 lin.ft. curbing, etc. $75,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engr. Noted Oct. 16.

**Nevada** — Oct. 29, by State Highway Comn., Heroes Memorial Bldg., Carson City, 1.98 mi. Routes 5 and 6, Sect. C-1, 16.02 mi. Route 6, Sect. G, both Clark Co., G. W. Borden, state highway engr.

**Ariz., Tombstone**—Bd. Supervrs. Cochise Co. taking bids and open same about Oct. 31, grading and asphaltic concrete surfacing 70,000 sq.yd., Old Spanish Trail between Bisbee and Tombstone, 16 ft. To exceed $25,000. W. O. Lefebure, Phoenix, highway engr. Noted Oct. 9.

**California** — Nov. 3, by State Highway Comn., Sacramento, concrete paving 7.1 mi. road between point ¼ mi. north of San Bernardino Co. and Beaumont, Riverside Co. R. M. Morton, highway engr.

**Calif., Burbank** — Oct. 28, by F. S. Webster, city clk., grading, oil macadam paving, sidewalks, curbing and guttering 1,000 ft. San Jose Ave. $25,000. J. R. Rose, engr.

**Calif., Inglewood**—City Trustees taking bids, grading, paving, curbing etc., 186,027 sq.ft. grading, 117,850 sq.ft. 5 in. Willite pavement, Ash Ave.; 126,960 sq.ft. grading, 123,638 sq.ft. 6 in. concrete pavement, Highland Blvd. etc., A. W. Cory, city engr.

**Calif., Los Angeles**—Taking bids improving Cherry Chase Dr., 11,938 sq.yd. concrete paving, 5,570 lin.ft. curbing, 7,925 cu.yd. earth excav., etc. $31,600. J. E. Rockhold, Hall of Records, engr.

**Calif., Monterey Park**—City Trustees taking bids, improving Alhambra Ave., 26,000 sq.ft. 4 in. oil macadam paving, 25,400 sq. ft. sidewalks, 5,000 lin.ft. curbing, 5,250 lin.ft. guttering, 10,000 cu.yd. excav., etc. O. Stone, city engr.

**Quebec** — Oct. 24, by J. L. Boulanger, deputy minister Provincial Hy. Dept., Quebec, graveling 2.63 mi. Beauce Junction Highway, 18 ft., in Westbury Twp. $50,000. G. Henry, ch. engr.

**British Columbia**—Nov. 10, by Provincial Hy. Dept., Victoria, grading and gravel surfacing 59 mi. Transprovincial Highway through Fraser River Canyon from Yale to Spences Bridges. $1,250,000. P. Philip, c/o Dept. Pub. Wks., Victoria, engr.

## BIDS RECEIVED

**Massachusetts** — Dept. Pub. Wks., Div. Highways, State House, Boston, bituminous macadam paving 1,155 ft. highway in Bridgewater, from Powers Bros., 161 Montello St., Brockton, $12,922; 2,000 ft. in Methuen, from J. E. Watkins, 10 Fern Ave., Amesbury, $20,984; 9,843 ft. in Williamstown; from D. S. McGrath, Inc., Adams, $10,840. W. F. Williams, comr.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading, curbing and sidewalks on Hunterspoint Ave., from Kennedy & Smith, 93 Amity St., Flushing, $1,695, granite block paving Manley St., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, $20,436; sheet asphalt paving Astoria Ave., from A. A. Johnson Corp., Queens Blvd., $38,660; sheet asphalt repaving Astoria and Jackson Aves., from W. P. MacDonald Co., 17 West 42nd St., New York, $76,004 and $10,758 respectively; grading 89th Ave. and 90th Rd., from C. Kurth, 9519 126th St., Richmond Hill, $2,376; curbing and sidewalks on 102nd St. from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., $38,903. Noted Oct. 9.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., grading Woodhaven Blvd., from Welsh Bros. Contg. Co., 32 Queens St., $255,010; sheet asphalt paving Woodhaven Blvd., from Uvalde Asphalt Paving Co., 1 Bway., New York, $100,385. Noted Oct. 9.

**N. Y., New York**—J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving King St., from Porier Contg. Co., 1476 Bway., $45,170, Lafayette St., from P. Cramer, 154 East 50th St., $6,738, 93rd St., from Asphalt Constr. Co., 208 Bway., $19,912; sheet asphalt repaving Ave. A, from Cleveland Trinidad Co., Flushing, $14,463, 61st St., from Uvalde Asphalt Paving Co., 1 Bway., $24,129, West 189th St., from Interboro Asphalt Co., 2306 Creston Ave., $11,489. Noted Oct. 9.

**N. Y., St. George** — J. A. Lynch, pres. Richmond Boro., Boro Hall, Oct. 15, granite block repaving Clove Rd. from Richmond Terrace to Castleton Ave., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $23,175. Noted Oct. 9.

**New Jersey**—State Hy. Dept., Trenton, Oct. 20, constructing Route 4, Sect. 25 A, Morgan grade crossing elimination in Middlesex Co., 3,308 sq.yd. concrete pavement, 75,000 cu.yd. excav., etc., from S. S. Thompson, Herbert St., Red Bank, $103,307. Noted Oct. 9.

**Pennsylvania**—State Hy. Dept., Harrisburg, **(R. means Route and A. Application)**, rein.-con. surfacing R. 70, Allegheny Co., from Rienhart Bros., East Liverpool, O., $56,319; R. 204, Beaver Co., from E. A. Freshwater & Sons, Chester, West Va., $33,784; A. 1928 and 1930, Clarion Co., from Standard Paving & Contr. Co., 220 East Ohio St., Chicago, $28,683; R. 200, A. 3203, Mercer Co., from H. E. Bunce, Jamesville, $12,107; R. 169, A. 2503, Monroe Co., from Lane Constr. Corp., 35 Colony St., Meriden, Conn., $76,014; R. 50, A. 3137, Somerset Co., from A. W. Hinaman, Mansfield, $126,730; A. 550, York Co., from F. E. Fish, 115 Stockton St., Elkton, Md., $64,075; R. 136, Lancaster Co, from W. G. Raub, Red Lion, $440,517. Noted Oct. 2.

**Delaware**—State Hy. Dept., Dover, improving with **(a)** stone concrete **(b)** slag concrete, from George & Lynch, Dover, 1.77 mi. Contr. 31, $55,127; from Old Line Constr. Co., Chestertown, Md., 1.1 mi. Contr. 50, **(a)** $45,919 **(b)** $45,285; from H. Riley Mixner, Goshen, N. J., Contr. CN-23, **(a)** $158,299 **(b)** $158,299; from Highway Eng. & Constr. Co., Selbyville, 0.96 mi. Contr. 51, **(a)** $33,135 **(b)** $32,451, 0.84 mi. Contr. 49, **(a with stone base)** $27,523 **(a with slag base)** $27,503 **(b with stone base)** $26,786 **(b with slag base)** $26,766. Noted Oct. 9.

**Md., Baltimore** — Bd. Awards, concrete paving 13,910 sq.yd. Contr. 265-OANA, from F. B. Carrozza, 5209 York Rd., $41,265.

**O., Cleveland**—Improving West 45th St., from W. E. McHugh, 316 The Arcade, $36,266; East 142nd St., from A. M. Pejsa, 3161 Derbyshire Rd., Cleveland Heights, $31,266; Woodward Court from Reiley Bros. The Arcade, $6,286; Bessemer Ave., from H. G. Herring, 316 The Arcade, $23,937; West 126th St., from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $28,130. Work involves 12,100 cu.yd. earth excav., 20,270 sq.yd. asphalt surfacing, 5,530 ft. stone curbing, etc.

**O., Euclid**—Laying sidewalks on Chardon Rd., Lake Shore Blvd. and St. Clair Ave., from F. B. Stein, Euclid, $26,265, $6,151 and $29,370 respectively, on North Johnson Rd., from J. H. Martin, 405 Caxton Bldg., Cleveland, $9,283. Work involves 216,200 sq.ft. cement sidewalks. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

**Michigan** — State Hy. Dept. at office Comrs. Wayne Co., Detroit, grading and surfacing 1.818 mi. Federal Aid Project 82 A1, and 5.813 mi. Federal Aid Project 82 A2, from J. Porath, 745 Griswold St., Detroit, $63,432, and $207,393 respectively.

**Michigan** — State Hy. Dept., Lansing, grading and gravel surfacing 2.233 mi. State Trunk Line Rd. 55-14 B, Ogemaw Co., from C. W. McKinny, Beaverton, $29,238.

**Michigan** — State Hy. Dept. at office Comrs. Schoolcraft Co., Manistique, grading and concrete surfacing 2.232 mi. State Trunk Line Rd. 12-46 A, from Hill & Belknap, East Tawas, $74,079. Noted Oct. 2.

**Michigan** — State Hy. Dept. at office Comrs. Roscommon Co., Roscommon, grading and gravel surfacing 4.249 mi. State Trunk Line Rd. 18-18 B, 16 ft., from Du Vall Constr. Co., Houghton Lake, $59,538. Noted Oct. 2.

**Michigan** — State Hy. Dept. at office Comrs. Montcalm Co., Stanton, grading and concrete paving 5.079 mi. State Trunk Line Rd. 66-18, from Banhagel Constr. Co., Ionia, $116,391.

**Michigan** — State Hy. Dept. at office Comrs. Benzie Co., Beulah, grading and surfacing 4.046 mi. Federal Aid Project 129 B, from L. I. Goldberg, Scottville, $115,367.

**Michigan** — State Hy. Dept. at office Comrs. Baraga Co., L'Anse, shaping and surfacing 4.434 mi. State Trunk Line Rd. 28-9 B2, from J. J. Bacco, Marquette, $26,131, also 4.451 mi. State Trunk Line Rd. 28-9 B1, from C. Budges, Norway, $26,611. Noted Sept. 25.

**Mich., Detroit** — From Detroit Asphalt Paving Co., 909 Free Press Bldg., paving with 3½ in. sheet asphalt on 8 in. concrete, 2,140 sq.yd. Carrie Ave. $10,662, 6,240 sq. yd. Colonial Ave. $31,116, 2,115 sq.yd. Larkin Ave. $10,576, 2,640 sq.yd. Owen Ave. $14,538, 9,700 sq.yd. Pleasant Ave. $48,395, 7,140 sq.yd. Wykes Ave. $35,662 5,240 sq.yd. Richton Ave. $26,107, 3,110 sq.yd. Holmes Ave. $13,976; from M. R. Hanna Co., 1636 Dime Bank Bldg., 10,200 sq.yd. Elgin Ave. $38,875.

**Wis., Milwaukee**—Dept. Pub. Wks., concrete sidewalks on Clement Ave. from Euclid to Oklahoma Aves., from R. H. Gunz, 831 13th Ave., $1,611; vibrolithic concrete paving Oklahoma Ave. from 1st to 5th Aves., from General Pavers, 1405 Louis Ave., $32,537; rein.-con. paving Atkinson Ave., street car track zone between 12th and Lake Sts., from Schwerm Bros., 50 Lee St., $11,696.

Streets and Roads (Continued)

**Tex., Brenham**—Washington Co., grading 18.21 mi. State Highway 36, Federal Aid Project 358, 26 ft. and 19.15 mi. Brenham-Washington Rd., from Womack Constr. Co., Sherman, $37,987 and $89,516 respectively. Noted Sept. 25.

**Calif., Eureka**—City Council, improving Union Ave. between Cedar and Russ Sts., 269,503 sq.ft. grading, 177,153 sq.ft. 1½ in. Warrenite on 2½ in. asphaltic concrete, 580 lin.ft. 18 and 24 in. c.l. culverts, from Mercer-Fraser Co., Eureka, $55,410. Noted Oct. 9.

**Calif., Oakland** — City Council, from Heafey-Moore-McNair, 2030 High St., improving Shattuck Ave. between Telegraph Ave. and north city boundary, 199,872 sq.ft. grading at $0.076 per sq.ft., 11,371 ft. concrete curb with steel guardrail, $1.35, 186,-540 ft. 2 in. Warrenite on 6 in. concrete, $0.309, etc. Noted Oct. 9.

**Calif., Santa Ana** — Improving North Park Blvd., 128,454 sq.ft. 6 in. concrete paving, 52,454 sq.ft. sidewalks, 176,279 sq.ft. 5 in. concrete paving, sewers, etc., from T. W. Oglesby, 423 Edgewood Rd., $92,637.

**Calif., Santa Cruz** — City Council, improving Ocean Ave., 168,368 sq.ft. grading, and 5 in. concrete paving, concrete sidewalks, sewers, etc., from Thompson Bros., G and Divisadero Sts., Fresno, $36,-823. Noted Oct. 2.

**Calif., San Diego**—Common Council, Oct. 14, improving Reynard Way Goldfinch and State Sts., from D. H. Ryan, 215 6th St., 40,353 sq.ft. 2 in. asphaltic concrete on 4 in. concrete at $0.25 per sq.ft., 136,517 sq.ft. 4 in. concrete paving $0.24, 2,148 lin.ft. concrete curbing $0.75, 1,783 sq.ft. concrete sidewalks $0.25, 1,211 sq.ft. concrete guttering $1.50, etc., total $48,464.

**Calif., Stockton**—City Council, Oct. 6, improving streets in Merryvale Tract, 5,732 cu.yd. cut, 3,741 cu.yd. fill, 7,644 lin.ft. concrete curbing and guttering, etc., from W. Moreing, 232 West Vine St., $33,692. Noted Sept. 11.

## CONTRACTS AWARDED

**New Hampshire**—State Hy. Dept., Concord, grading 0.25 mi. highway and 14 ft. concrete arch culvert in Boscawen, (Ind. Branch of Concord), to B. E. Savage, Newbury, Mass. $10,580; in Columbia, to T. E. Malloy, Gorham, $30,178. Noted Oct. 9.

**New Jersey**—Hudson Co. (Jersey City), repaving county road between Tonnele Ave., Jersey City, and County Ave. in Secaucus, to Clinton Asphalt Co., 308 Charles St., West Hoboken, $175,367. Noted Sept. 25 under "Jersey City."

**Pennsylvania**—State Hy. Dept., Harrisburg, **(R. means Route and A. Application)** to Cooper Constr. Co., Inc., Clymer, rein.-con. surfacing R. 214, Armstrong Co., 12,-125 sq.yd. rein.-con. $3.30, 8,217 cu.yd. unclassified excav. $1.50, total $68,297; to Lincoln Constr. Co., Strafford, R. 336, Northumberland Co., 28,275 sq.yd. rein.-con. $3, 17,831 cu.yd. unclassified excav. $1.60, total $132,911; to Mayer Bros. Constr. Co., Erie, R. 83 and 304, Erie Co., 29,414 sq.yd. Spec. D 2 in. asphalt $1.50, 31,105 sq.yd. 7 x 5 x 7 in. concrete base $1.90, 17,-793 cu.yd. unclassified excav. $1.10, total $198,028; to W. C. Guncheon & Co., Masonic Temple Bldg., Harrisburg, R. 46, Bedford Co., 52,600 sq.yd. rein.-con. $3.30, 26,388 cu.yd. unclassified excav. $1.40, total $275,-802; to Lane Constr. Co., Meriden, Conn., R. 212, Sect. 7, Tioga and Bradford Counties, 75,947 sq.yd. rein.-con. $3.40, 52,898 cu.yd. unclassified excav. $1.85, total $447,-058; to Public Service Production Co., Newark, N. J., R. 5, Lackawanna Co., 20,922 sq. yd. 9 x 6 x 9 in. concrete $3.47, 12,000 sq. yd. 6 in. concrete $3.38, 19,241 cu.yd. unclassified excav. $1.95, total $237,612. Noted Oct. 9.

**Pa., Pittsburgh**—Comrs. Alleghany Co., asphaltic concrete paving Ohio St., boro Millvale, from here to westerly end 40th Street Bridge Approach to T. Cronin Co., South 18th St., Pittsburgh, $15,577. Noted Oct. 9.

**Maryland**—State Rds. Comn., Baltimore, concrete paving 0.63 mi. road along Main St., in Lonaconing, Alleghany Co., Contr. A-31, to Tri-State Eng. Co., Cumberland, $19,-545, 1.14 mi. road from end of Contr. Wl-21 towards Snow Hill, Wicomico Co., Contr. Wl-26, to P. B. Phillips & Bro., Salisbury, $28,772; graveling 1.03 mi. road along Crystal Spring Ave. to Marlboro Pike, Prince George's Co., Contr. P-46, to St. Mary's Constr. Co., Mechanicsville, $9,378.

**Maryland**—State Rds. Comn., Baltimore, graveling 2.71 mi. road from Rison to Chicomuzen, Contr. CH-30, Charles Co., to Huse & Knight, 2600 Montebello Ave., Baltimore, $28,881; 1.51 mi. road from end of Contr. C-15 to Broome Island, Contr. C-20, Calvert Co., to T. Mullan, 4001 Greenmount Ave., Baltimore, $17,863. Noted Oct. 9.

**Maryland**—State Rd. Comn., Baltimore, concrete paving 1.47 mi. road along Broad and Bay Sts., Berlin, Worcester Co., Contr. WO-40, to J. R. Phillips, Jr., Bay St., Berlin, $34,823; 2 mi. road from Bladensburg to East Riverdale, Prince George Co., Contr. P-53, to Ward & O'Connell, New Amsterdam Bldg., Baltimore, $43,713; 1 mi. road from the Hanover Pike, 1 mi. north of Manchester, Carroll Co., Contr. Cl-34, to H. H. Hershberger, 3723 Reistertown Rd., Baltimore, $27,298. Noted July 24 and Aug. 28.

**Md., Baltimore**—Bd. Awards sheet asphalt paving 18,280 sq.yd. Contr. 266-OANA, from Amer. Paving Co., Montebello Ave., $80,073. Noted Oct. 9.

**Md., Baltimore** — Bd. Awards, concrete paving 13,910 sq.yd. Contr. 265-OANA, to F. D. Carozza, 5209 York Rd., $41,265. Noted Oct. 16.

**W. Va., Huntington**—City Comrs., brick on concrete paving, asphalt filler on Old Cross Road, to G. Henckle, 1737 6th Ave., Huntington, $39,519.

**North Carolina** — State Hy. Dept., Raleigh, **(S. P. Means State Project)** grading and gravel surfacing 7.78 mi. S. P. 440, Harnett Co., to Lavender Bros., Earl, $35,282, 14.1 mi. S. P. 390, Robeson Co., to G. Ginn, Inc., Gastonia, $64,168; grading and concrete paving 11.1 mi. S. P. 404-B, Chatham Co., to Hagedorn Constr. Co., Greensboro, $315,639 grading and asphaltic paving on concrete 6.18 mi. S. P. 662-B, Richmond Co., to Noll Constr. Co., Charlotte, $180,251, 5.1 mi. S. P. 106-B, Bertie Co., to F. J. McGuire, Paul Gale-G Bldg., Norfolk, Va., $154,197; grading and rein.-con. paving 13.4 mi. S. P. 791-B, Yadkin Co., to L. L. Tindall, Waterford, Wis., $492,528; grading and sand asphalt paving 9.52 mi. S. P. 276, Sampson Co., to Hudson & Scruggs, Wilmington, $168,-286; grading 6.4 mi. S. P. 117, Currituck Co. and 5.4 mi. S. P. 111, Camden Co., to N. L. Teer, Durham, $35,921 and $38,438 respectively.

**North Carolina**—State Hy. Comn., Raleigh, grading and topsoiling 13.2 mi. roads in Randolph Co., to C. A. Ragland, Louisburg, $89,960.

**N. C., Raleigh**—Paving, curbing, guttering and storm sewers in various streets, to R. G. Lassiter & Co., Citizens Bank Bldg., $1,000,000.

**S. C., Barnwell**—Barnwell Co. Bd. Dirs. gravel surfacing 11 mi. Augusta-Allendale Rd., to W. L. Carson, York, $95,000; 20 mi. Barnwell-Ellentown Rd., to Newell Constr. Co., Columbia, $120,000. Noted Sept. 25.

**S. C., Greenville** — Greenville Co. and State Hy. Dept., Columbia, grading and plain concrete surfacing 6.395 mi. Greenville-Spartanburg Rd., to J. M. Gregory & Co., Columbia, $230,495. Noted Oct. 16.

**Fla., Ft. Pierce** — Grading, paving and curbing, parts Avenue B, South 11th, South 12th and Texas Sts., to Haggert Constr. Co., Miami, $33,946.

**Fla., Tampa**—Hillsborough Co., laying 12,800 sq.yd. concrete sidewalks, 24,000 lin.ft. curb and 12,000 lin.ft. handrail along Seawall Blvd. to McGucken & Edwards, 204 Nebraska Ave., $40,000. Noted Oct. 2.

**Alabama**—State Hy. Dept., Montgomery, (e.e. means engr's. est.), Perry Co. graveling and surfacing 2.01 mi. Perry Co. Highway, Sect. 2, 20 ft., Perry Co., to Finnell & Tupecker, Tuscaloosa, $28,-115, e. e. $29,100, 2.08 mi. highway, 20 ft., Covington Co., to W. A. Taylor, Sylacauga, $30360, e. e. $31,200; grading 12.14 mi. Talladega Co. line-Cherokee Co. line Rd., 20 ft., Sect. 3, Calhoun Co., to C. B. Cox & W. T. Taylor, Clanton, $74,-160, e. e. $75,000, 10.1 mi. same road, Sects. 1 and 2, 20 ft., to Houston Constr. Co., 1209½ Capitol St., Houston, Tex., $294,995 and $234,796 respectively, e. e. $300,000 and $240,000 respectively.

**Alabama**—State Hy Comn., Montgomery, grading and cherting 8 mi. Walton-Montgomery-Calera Rd., 20 ft., Shelby Co., to C. B. Cox, Clanton, $48,500, grading and graveling 18.25 mi. Fayette-Winfield Rd., 20 ft., Fayette Co., to W. M. Thomas, Fayette, $174,114, several small concrete bridges on same road, to C. E. Thompson, Fayette, $41,574, 14.36 mi. Selma-Centerville Rd., 20 Ft., Perry Co., to Stanley & Singer, La Fayette, $97,409, several small bridges on same to E. B. Smith, Montgomery, $25,553. Noted Sept. 25.

**Alabama**—State Hy. Comn., Montgomery, 2 mi. dirt approaches to Cahaba River Bridge, to form connection from Dallas Co. line to Marion-Centerville Highway near Sprott, 20 ft., Perry Co., to Finnel & Toothaker, Tuscaloosa, $28,115. Engrs. est. $30,000. Noted Sept. 25, under "Bridges."

**Miss., Vicksburg**—Grading and concrete paving boat landing; also widening additional roadway, to Southern Material & Constr. Co., South Trust Bldg., Little Rock, $38,610. Noted Apr. 24.

**Miss., Yazoo City**—Yazoo Co., to S. A. Gano, Maison Blanche Bldg., New Orleans, improving 2.035 mi. Federal Aid Project 48, 4,778 cu.yd. gravel 1 mi. haul at $1.00 per cu.yd., 29,109 units half mi. overhaul at $0.18 per unit. Noted Sept. 25.

**La., Hammond**—Police Jury Tangipahoa Parish, A. M. Edwards, pres., 33 mi. gravel roads, to S. A. Gano, 715 Maison Blanche Bldg., New Orleans, $500,000.

**La., Lake Charles** — Concrete paving 76,000 cu.yd. various streets to J. Fromherz, Title Guarantee Bldg., New Orleans, $198,000.

**La., Minden**—Grading, draining, curbing and concrete paving 22,700 sq.yd., etc., various streets, to McGuire & Cavender, Sherman, Tex., $78,879.

**Ohio** — Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving 0.66 mi. Sect. "D" Deshler-Findlay Rd., Henry Co., to Frost Constr. Co., Findlay, concrete $26,700, 3.11 mi. Sect. "F" Ottawa-Grand Rapids Rd., Henry Co., to S. O. Johnson Co., Toledo, asphalt macadam, $81,886, 3.059 mi. Sect. "H" Ripley-Hillsboro Rd., Highland Co., to B. F. Bolin Co., 1149 Neil Ave., Columbus, asphalt macadam, $72,565, surfacing 1.18 mi. Sect. "A" Delphos-Wapakoneta Rd., Auglaize Co., to J. Richardson, Hume, $7,167, grading, 511.8 ft., Sect. "L-1" Mansfield-Millersburg Rd., Holmes Co., to W. E. Morrison, Ashley, $1,047; bridge on Sects. "B" and "F" and two culverts on Sect. "G" Piqua-Urbana Rd., Champaign Co., to J. France, Sidney, $718, $403, and $718 respectively. Noted Oct. 16.

**O., Akron** — W. F. Peters, Dir. Pub. Service, asphalt paving, 10,400 sq.yd. parking strip, about 1 mi. North Main St., to T. E. McShaffrey Constr. Co. 171 South Forge St., $28,496. Engrs. est. $29,120. Noted Oct. 9.

**O., Cleveland**—Improving (1) West 129th St. (2) East 55th St. from Hydraulic Ave. to tracks of New York, Chicago & St. Louis Railroad (3) East 55th St. from Bway. to McBride Ave., (1 to 3 inclusive) involves 23,210 sq.yd. (a) brick or (b) asphalt, 4,930 ft. stone curbing, 5,220 ft. 4 in. drain tile gutter, (4) Horner Ave. (5) Holborn Ave. (4 and 5) involves, 10,595 sq.yd. brick or asphalt paving, 8,110 lin.ft. curbing, 8,420 lin.ft., 4 in. drain tile gutter, from Roehl Bros., 7002 Denison Ave. (a1) $35,015; from Bentley Bros., 3030 Euclid Ave. (2) $64,847; from Highway Constr. Co., 903 Lorain Bank Bldg. Elyria, (b1) $26,924, from Enterprise Paving & Constr. Co., 8436 Bway. (3) $41,740; from Cleveland Trinidad Paving Co., The Arcade (4) $16,375 from Baldwin Bros., 4500 Euclid Ave., (5) $31,752.

**O., Cleveland**—Cuyahoga Co., improving Courtland Blvd., Sherbrooke, Chesterton and Shelburne Rds., 9,600 cu.yd. earth excav., 9,180 ft. 4 in. drain pipe, 9,180 ft. concrete curbing, 8,670 sq.yd. brick paving, from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $49,900.

**O., Columbus**—W. H. Duffy, dir. Pub. Serv., to A. W. Burns Constr. Co., 316 South High St., grading, paving, laying necessary water services and sewer connections in 561 ft. City Park Ave., 26 ft., asphalt $6,910, 728 ft. Longman Ave., 24 ft. $8,188, to B. F. Patterson, 1214 Neil Ave., 1,107 ft. Melrose Ave., 24 ft., asphalt, $14,324, to R. J. Dienst, 480 South 5th St., 444 ft. Ludlow St., 21 ft. $3,211, 522 ft. Green St., 24 ft. $4,840, 2,195 ft. Fulton St., 26 ft. $3,405, 1,014 ft. alley north Mithoff St., 18 ft. $2,682, 339 ft. alley north Sycamore St., 20 ft. $2,072, 1,993 ft. alley west 6th St., 20 ft. $8,951, 446 ft. alley north Eastwood Ave., 20 ft. $2,687, 367 ft. 2nd alley north Main St., 20 ft. $2,102, 360 ft. 2nd alley west 9th St., 20 ft. $1,936, 1,520 ft. alley north Woodruff Ave., 23.6 ft. $9,100 and 424 ft. 2nd alley north Granville St., 15 ft. $2,035, all concrete, to Yale Constr. Co., 146 Yale Ave., 422 ft. alley west Wilson Ave., 21 ft., $3,055, 1,205 ft. alley north Stewart Ave., 21 ft., $9,573,368 ft. alley north Bryden Rd., 16 ft. $1,435, 786 ft. alley north King Ave., 10 ft. $2,816, all concrete, to Federal Paving Co., 996 McAllister Ave., 402 ft. alley west Mt. Pleasant Ave., 12 ft., concrete $1,632; to Cleveland Trinidad Paving Co., Grand

Streets and Roads (Continued)

Theatre Bldg., widening 4,310 ft. Long St., 49 ft., brick, $12,866. Noted Sept. 25.

**O., Euclid**—Grading and laying 178,500 sq.yd. cement sidewalks on Chardon Rd., Lake Shore Blvd., and St. Clair Ave., to F. B. Stein, Euclid, $61,796.

**O., Shaker Heights** (Cleveland P. O.) — Improving various streets, 90,700 sq.ft. stone sidewalks, 45,920 ft. 4 in. drain tile gutter, 37,050 sq.ft. sand stone curbing, 66,-530 sq.yd. sheet asphalt surfacing, 148,700 sq.ft. 8 in. concrete base, 181,000 cu.yd. earth excav., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $321,521.

**O., Shaker Heights** (Cleveland P. O.)— Grading North Park Blvd. and Chester-Sherbrooke Rd., to R. J. Burke Co., Hunkin-Conkey Bldg., Cleveland, $18,257; Shelburne Rd. and Courtland Blvd., to Stroman & Kidder, The Arcade, Cleveland, $29,183. Noted Oct. 16.

**O., Toledo**—Lucas Co. (**e. e. means engrs. est.**), grading and widening with bituminous macadam 20,800 sq.yd. Dorr St., to A. Langenderfer, Spitzer Bldg., $228,829, e. e. $238,691, 16,300 sq.yd. Reynolds Rd., to S. E. Johnson Co., Terminal Bldg., $132,293, e. e. $140,407; grading and bituminous macadam paving 9,560 sq.yd. Talmadge Rd., to L. J. Beuschoter, Toledo, $23,717, e. e. $29,217; grading and concrete paving 3,425 sq.yd. De Vilbiss Ave., to G. L. La Boiteaux, Nasby Bldg., $13,975, e. e. $14,547, 735 sq. yd. Harbor Pl., and 3,300 sq.yd. Schrampps Dr., to Launder & Son, Vine St., $3,039 and $14,539 respectively, e. e. $3,280 and $15,-792 respectively, 3,440 sq.yd. Tideway St., and 1,670 sq.yd. Merview Dr., to Thompson Paving Co., North Haven Ave., $16,312 and $8,150 respectively e. e. $18,078 and $8,292 respectively.

**Michigan** — State Hy. Dept. at office Comrs. Osceola Co., Hersey, grading and gravel surfacing 2.704 mi. State Trunk Line Rd. 13-23 A, to J. Davison & Son, Farwell, $30,986.

**Michigan** — State Hy. Dept., Lansing, grading and concrete paving 0.737 mi. State Trunk Line Rd. 65-B and 0.915 mi. State Trunk Line Rd. 87-2, Genesee Co., to Palma Constr. Co., Detroit, $22,-299 and $28,882 respectively.

**Michigan** — State Hy. Dept. at office Comrs. Oscoda Co., Mio, grading and gravel surfacing 5.521 mi. State Trunk Line Rd. 33-6, to C. C. Harrah, Niles, $79,226. Noted Oct. 2.

**Mich., Detroit**—To Otis Cement Constr. Co., 806 Hammond Bldg., grading and concrete paving 3,100 sq.yd. Alley 2036 $7,759, 2,030 sq.yd. Alley 2037 $4,986, 2,080 sq.yd. Alley 2038 $5,115, 1,700 sq.yd. Alley 2039 $4,263, Alley 2034 $2,824, 7,330 sq.yd. 5 alleys $18,347; to Wolverine Constr. Co., 400 Penobscot Bldg., 1,790 sq.yd. Alley 2040 $4,478, 1,340 sq.yd. Alley 2041 $3,354, 920 sq.yd. Alley 2042 $2,302, 920 sq.yd. Alley 2043 $2,335, 1,760 sq.yd. Alley 2044 $4,399, 720 sq.yd. Alley 2045 $1,843, Alley 2026 $7,287, Alley 2027 $5,583, Alley 2028 $3,401, Alley 2029 $3,292, Alley 2030 $3,160, Alley 2031 $1,461, Alley 2032 $4,150, Alley 2033 $3,461, Alley 2035 $3,640.

**Mich., Detroit**—To C. L. Lincoln, 8074 East Canfield Ave., 8 in. concrete base on Belfast Ave. $10,492, Nardin Ave. $6,638; to C. W. Shepard, 213 State St., Ilene Ave. Sect. 1 $10,139, Mendotta Ave. $31,619; to Detroit Asphalt Paving Co., 909 Free Press Bldg., 3½ in. sheet asphalt on 8 in. concrete, Dexter Ave. Sect. 3, $17,732, Coplin St. $28,462, 3,910 sq.yd. Burlingame Ave. $19,542, 11,950 sq.yd. Plymouth Ave. Sect. 1 $59,712, 2,300 sq.yd. Cunston Ave. $12,264, 20,800 sq.yd. Harper Ave. Sect. 1 $91,335, 2,260 sq.yd. Ashland Ave. $13,850; to M. R. Hanna, 1636 Dime Bank Bldg., 3,586 sq.yd. Lawton Ave. Sect. 2 $17,300; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., Dexter Ave., Sect. 1 $36,811, Linwood Ave. $40,728; to Cooke Asphalt Paving Co., 13893 St. Aubin Ave., Conant Ave. Sect. 1 $18,118.

**Wis., Milwaukee**—Dept. Pub. Wks., concrete sidewalks on Euclid Ave., to R. H. Gumz, 831 13th Ave. 1,611; 8 in. vibrolithic concrete paving Oakland Ave., to General Pavers, 1405 Louis Ave., 32,537; concrete in track zone on Atkinson Ave., to Schwerm Bros., 50 Lee St., $11,696.

**Wisconsin** — State Highway Comn., at Div. 1, 149 East Wilson St., Madison, grading and surfacing 3.33 mi. Monroe-Bellville-Verona Rd., Federal Aid Project 379-A, Dane Co., to S. J. Groves & Sons, 303 Globe Bldg., Minneapolis, $43,598. Noted Oct. 9.

**Ia., Marion**—Linn Co., 2 box culverts, one I-beam and 1 pony truss bridges, to P. Jayne, 116 16th Ave. W., Cedar Rapids, $20,540; 2 box culverts, to A. Milberg, Vinton, $3,710, 1 box culvert and 1 pony truss bridge, to A. P. Munson, Marion, $8,325.

**Kan., Abilene** — Grading and concrete paving 1 mi. West North 2nd, West North 3rd, West North 4th, Spruce, Bway., Cedar and Buckeye Sts., to Kaw Paving Co., Iola. Engrs. est. $50,000. Noted Oct. 16.

**Neb., Lincoln**—Lancaster Co., asphaltic concrete paving 2,590 ft. Lincoln-Belmont Rd., to Abel Constr. Co., 318-19-20 Terminal St., $25,000.

**Neb., Papillion**—Sarpy Co., brick paving Rd. Dist. 1, to A. A. Dobson Co., 809 1st Natl. Bank Bldg., Lincoln, $31,320; gravel-ing, grading, etc., Rd. Dists. 2 and 3, to Yant Constr. Co., 118 South 49th Ave., Omaha, $21,800.

**N. D., Valley City**—Barnes Co., improving 18.864 mi. Federal Aid Project 36, 25,-596 cu.yd. load, unload, spread and screen, 164,286 cu.yd. mi. gravel haul, 5,500 cu.yd. strip pits, etc., to E. Wyttenbach, Valley City, $35,370. Noted Sept. 25.

**Ark., Little Rock**—Pulaski Co., grading 56,250 cu.yd. Arkansas-Missouri Hy., to D. B. Hill, Revilo Hotel, Little Rock, $27,000.

**Arkansas**—State Hy. Dept., Little Rock, improving 2.5 mi. Marianna-Felton Rd., and 4 mi. Marianna Rd. south, both Lee Co., to W. D. Bonner Constr. Co., Memphis, Tenn.

**Tex., Crockett** — Houston Co., reshaping roadbed, constructing earth shoulders and rein.-con. paving 6.9 mi. State Highway 1, Federal Aid Project 254-B, 18 ft., to Smith Bros. Inc., Amer. Exch. Bank Bldg., Dallas, $202,311. Engrs. est. $220,000.

**Tex., Houston**—Paving West Gray Ave. from Waugh Dr. to Taft St., to S. Shambaugh, 1401 West Alabama St., $73,800. Engrs. est. $75,000.

**Tex., Memphis** — Hall Co., grading and bridging 11.86 mi. State Highway 18, State Aid Project 473-C, 18 ft., to Austin Bridge Co., 1815 Clarence St., Dallas, $61,136. Engrs. est. $80,166. Noted Oct. 16.

**Tex., San Antonio**—Bexar Co., improving 8.16 mi. State Highway 3, Federal Aid Project 398-B, 18 ft., to Colglazier & Hoff, 922 Austin St., $110,610. Noted Oct. 9.

**Tex., Sweetwater** — Nolan Co., grading and bridging 15.22 mi. State Highway 1, Unit 1 of Federal Aid Project 444-B, 18 ft., to Brown Abbott Co., Loraine, $29,483. Noted Oct. 16.

**Okla., Tulsa**—City, (**e.e. means engrs. est.**) grading and paving 6 blocks Dist. 582, 6,370 sq.yd. concrete, 3,714 ft. concrete curbing, 2,250 cu.yd. excav., and 5 blocks Dist. 588, 4,677 sq.yd. asphaltic concrete, 2,869 ft. concrete curbing, 1,900 cu.yd. excav., to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $30,844 and $25,517 respectively, e.e. $32,000 and $26,250 respectively; 6 blocks Dist. 583, 4,929 sq.yd. concrete, 3,827 ft. concrete curbing, 1,700 cu.yd. excav. and 6 blocks Dist. 589, 5,296 sq.yd. concrete, 2,579 ft. concrete curbing, 1,800 cu.yd. excav., to Standard Paving Co., Boston and Katy tracks, $24,477 and $25,603 respectively, e.e. $26,000 and $27,000 respectively; 10 blocks Dist. 584, 9,100 sq.yd. sheet asphalt, 3,250 cu.yd. excav., and 12 blocks Dist. 591, 12,449 sq.yd. sheet asphalt, 7,607 ft. curbing, 4,180 cu.yd. excav., to Western Constr. Co., 814 Daniels Bldg., $47,922 and $66,808 respectively, e.e. $49,000 and $69,000 respectively; 7 blocks Dist. 590, 2,962 sq.yd. sheet asphalt, 1,100 cu.yd. excav., to Brown & Mead, City Hall, $24,607, e.e. $25,500.

**Okla., Oklahoma City**—Improving 20th St., 8,800 sq.yd. 2 in. Willite paving, to Western Paving Co., Tradesmens Bldg., Oklahoma City, $45,865; 1,485 ft. 8 in. concrete, lateral sewers in West Lawn Park addition, to Reinhart & Donovan Co., Tradesmens Natl. Bank Bldg., Oklahoma City, $7,585.

**Okla., Sapulpa** — Grading and paving 6 blocks Bixby, Poplar and McKinley Sts., 5,000 sq.yd. concrete, 3,850 lin.ft. curbing, 1,800 cu.yd. excav., to Klinglesmith Constr. Co., Drumright, $26,156. Engrs. est. $28,-000. Noted Sept. 4.

**Montana**—State Hy. Comn., Helena, improving 10.68 mi. Babb-Cardston Rd., Federal Aid Project 208-A, Glacier Co., 58,705 cu.yd. common, 16,999 cu.yd. intermediate and 2,124 cu.yd. rock excav., 2,481 sta.yd. overhaul, 15,958 cu.yd. crushed gravel surfacing, 11,752 lbs. reinforcing, to Lalonde, Peck & Powers, Bainville, $64,919. Noted Aug. 14.

**Montana** — State Hy. Comn., Helena, Buckhouse Bridge, two 148 ft. riveted steel spans on concrete piers three-panel 60 ft. concrete approach east end and two-panel 40 ft. concrete approach at west end, across Bitterroot River, Federal Aid Project 215-A, Missoula Co., 388,000 lbs. structural steel, 56,000 lbs. reinforcing, etc., to A. B Mougey, Bozeman, $44,981.

**Washington**—State Hy. Comn., Olympia, to J. G. Edwards, Spokane, grading, etc., 5 mi. Inland-Empire Highway, from Dixie to Coppel, Walla Walla Co., 27,200 cu.yd. earth excav. at $0.21 cu.yd., 1,800 cu.yd. loose rock excav. $0.60, 640 cu.yd. solid rock excav. $2, 119.14 cu.yd. concrete $26, 2,520 cu.yd. removing and replacing surface $0.65, $24,196. Noted Sept. 4.

**Calif., Bakersfield**—Kern Co., 5 span, 30 ft. rein.-con. girder bridge, 22 ft. roadway, over Cole's Levee, to N. Lovelace, Visalia, $31,001; also 13 span rein.-con. deck girder bridge, 22 ft. roadway, 4 ft. walks, over Kern River, to Proctor & Cleghorn, Rosenberg Bldg. Santa Rosa, $56,584. Noted Sept. 18.

**Calif., Glendale** — Improving portion of Western Ave., etc., 215,247 sq.ft. grading, 177,956 sq.ft. macadam paving, gutters, curb, 3184 lin.ft. 8 in. vitr. sewer, etc., to E. L. Fleming, 324 West Dryden Ave., $33,-054. Noted Oct. 16.

**Calif., Huntington Park**—For 6 in. asphaltic concrete paving, 8 in. guttering, etc., State St., and 5 in. asphaltic concrete paving, 6 in. guttering, 8 in. curbing, etc., Marbusa St., to Los Angeles Paving Co., 2900 Santa Fe Ave., Los Angeles, $18,524 and $18,787 respectively.

**Calif., Inglewood** — Improving Redondo Ave., 181,876 sq.ft. grading, 5,725 lin.ft. curbing, 28,863 sq.ft. sidewalks, 9,506 sq.ft. 5 and 8 in. guttering, 103,334 sq.ft. 4 and 5 in. asphaltic concrete paving, etc., to G. R. Curtis Paving Co., 2440 East 26th St., Los Angeles, $30,191. Noted Oct. 2.

**Calif., Los Angeles** — Grading, paving, sidewalks, etc., on Owensmouth Ave., to H. W. Richardson, 2912 West 75th St., $62,575, Roseberg Pl., 100 sq.ft. asphalt or concrete, 6,853 sq.ft. bituminous macadam, 167 ft. curb, 691 sq.ft. gutter, 173 sq.ft. sidewalks, to Los Angeles Paving Co., 2900 Santa Fe Ave., $2,130; improving Sargent Pl., 41,301 sq.yd. concrete, 130 sq.yd. remodeled oil surfacing, 3,281 ft. curb, etc., to R. K. Smith, 1124 South St. Andrews Pl., $20,206, Folsom St., to Baker & Vigus, 523 I. W. Hellman Bldg., $5,499; grading, paving, remodeling, oiling, sidewalks, sewers, etc., in 63rd Pl., to W. Liddington, 420 East 60th St., $7,677; oiling, rolling, grading, etc., 90th St., to L. E. Davis, 861 West 57th St., $7,038, McCodden Pl., to G. R. Curtis Paving Co., 2440 East 26th St., $9,760, Fries Ave., to G. H. Oswald, 366 East 58th St., $40,195; paving Neva Pl., to M. S. Cummings, 1302 West 22nd St., $9,286, 107th St., to O. M. Patton, 1542 East 23rd St., $2,474. Noted Oct. 16.

**Calif., Los Angeles** — Bd. Supervs. Los Angeles Co., improving streets in Tract 4741, 28,914 lin.ft. curbing, 5,839 sq.ft. guttering, 113,316 sq.ft. sidewalks, 2,641 cu.yd. excav. to L. E. Davis, 861 West 57th St., $34,763.

**Calif., Manhattan Beach** (Manhattan P. O.)—Curbing, guttering, sidewalks, 5 in. concrete paving, etc., Development Co.'s Tract between Center and Neptune Aves., to O. U. Miracle, 227 Ave. D, Redondo Beach, $88,588.

**Calif., Monterey**—Grading and surfacing Hawthorne St., 124,220 sq.ft. 2.5 in. asphaltic concrete (Willite), 13,750 sq.ft. 3.5 in. asphaltic concrete on 3.5 in. base (Willite), to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $31,672. Noted Oct. 16.

**Calif., Monterey**—Improving portions of Lighthouse Ave., 207,310 sq.ft. paving, to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, approximately $51,-285. Noted Oct. 16.

**Calif., Pasadena**—Improving Dakota St. between Lincoln St. and Arroyo Blvd., to C. F. Mathews, 221 Braly Bldg., $17,430; paving Westgale St. between Lincoln St. and Forest Ave., to C. P. Day, Boston Bldg., $7,744.

**Calif., Riverside**—Riverside Co., improving Corona-Elsimore Rd., 14,597 cu.yd. excav., 15,365 lin.ft. shape roadbed, 272,977 sq.ft. macadam paving, culverts, etc., to T. P. Crawford, 110 Laurel St., Pomona, $38,-960. County to furnish material.

**California**—State Highway Comn., Sacramento, grading and gravel or stone surfacing 6.9 mi. Route 15, Sect. E, between ½ mi. west of Freshwater Creek and Williams, Colusa Co., to Giddings & Whyte, Sacramento, $63,520, constructing 24 ft. rein.-con. arch span bridge, 30 ft. wide over Sycamore Creek, about 6 mi. north of Oceanside, Div. VII, Route 2, San Diego Co., to H. H. Peterson, Spreckles Bldg., San Diego, $8,267. Noted Sept. 11.

Streets and Roads (Continued)

**Quebec**—J. L. Boulanger, deputy minister highways, Quebec, graveling 38,196 ft. Beauce-Junction-Sherbrooke Highway, Asso. Twp. and 45,958 ft. Victoriaville-Woburn Highway, to F. Walters, Lennoxville, $26,669 and $36,150 respectively; 2 oil macadam on 2 mi. Levis-St. Lambert Rd., in section of St. Croix to Jaganiere, Houde & Co., Grondines, $34,499; graveling 51,819 ft. Beauharonis-St. Jean Highway, to Massicotte & Frigon, Plessissville, $39,077. Noted Aug. 21.

**British Columbia**—Dept. Provincial Highways, Victoria, grading and macadam surfacing 5¼ mi. from Canners Wharf to Four Mile Bridge in Bella Coola Dist., to Robertson & Partners, 850 Hastings St. W., Vancouver, $65,000.

**British Columbia**—Provincial Hy. Dept., Victoria, grading, culverts and small bridges on 2 mi. Golden-Yoho Park Rd., to F. J. Dawson, 1905 16th Ave. W., Vancouver, $62,360. Engrs. est. $100,000.

**B. C., South Vancouver** — Concrete paving section of Fraser St., to Ritchie Contg. Co., Tower Bldg., Vancouver, $30,000.

**B. C., Vancouver** — Concrete paving various streets to Ritchie Contg. Co., Tower Bldg., $22,750.

## Buildings—Industrial

### PROPOSED WORK

**Mass., Cambridge** (Boston P. O.)—Factory—New England Confectionery Co., 253 Summer St., Boston, plans factory, Massachusetts Ave. and Albany St. To exceed $40,000. Engineer and architect not selected.

**Conn., Winsted** — Factory — Strand & Sweet Mfg. Co., Meadow St., plans 1 story and basement, 40 x 60 ft., and 60 x 60 ft., brick and steel additions, plain foundation, Meadow St. $40,000. Engineer and architect not selected.

**Pa., Phila.**—Plant—Publicker Commercial Alcohol Co., Swanson St. and Delaware Ave., having plans prepared by C. E. Wunder, 1525 Locust St., 8 buildings from 2 to 8 stories, various sizes, rein.-con., Delaware Ave. and Bigler St. $2,000,000.

**Md., Baltimore** — Transformer — Consolidated Gas, Electric Light & Power Co., Lexington Bldg., having plans prepared 1 story and basement, brick and plain foundation, 35th St. and Old York Rd. $90,000. Private plans.

**Ga., Newman** — Mill — Newman Cotton Mills, plans 2 story and basement, 85 x 150 ft., brick and concrete addition, Field St. $40,000.

**Miss., Laurel** — Factory — Atlanta, Ga., Manufacturer, c/o Laurel Chamber of Commerce, plans brick and concrete paper bag factory, here. $100,000. This corrects report in Oct. 2 issue.

**La., Amesville**—Plant—Celotex Co., having preliminary plans prepared 1 and 2 story plant. $1,500,000. Private plans.

**La., Sterlington**—Plant—Arkansas Light & Power Co. Pine Bluff, Ark., having preliminary plans prepared by Ford, Bacon & Davis, engrs., 115 Bway., New York City, electric light and power plant, here.

**Tenn., Greenville** — Mill — Syndicate, headed by W. H. Reeves, c/o Lockwood, Greene & Co., engrs., 24 Federal St., Boston, Mass., having plans prepared large mill buildings. $40,000.

**Ind., Evansville**—Factory—Graham Bros. Motor Truck Co., Stringtown Rd., plans 1 story, brick and steel auto truck factory addition. $200,000.

**Wis., Dorchester** — Cannery—Dorchester Canning Co., c/o F. Nagel, making plans and soon takes bids 2 story, brick and mill, plain foundation. $75,000. Private plans.

**Wis., Marshfield**—Shop and Warehouse—Marshfield Hardware & Auto Co., having plans prepared by G. A. Krasin, Central Ave., 2 story, 80 x 100 ft., brick and timber, plain foundation. $75,000.

**Ia., Des Moines**—Mill—Rollins Hoisery Mills, having plans prepared by Lockwood, Greene & Co., 38 South Dearborn St., Chicago, Ill., 1 story and basement,, 65 x 100 ft., brick and timber, plain foundation. $50,000.

**Minn., Faribault** — Plant — City making plans electric light and central heating plant, also electric distribution system. $450,000. A. L. Mullergren, Gates Bldg., Kansas City, Mo., consult. engr. Noted Sept. 4.

**Mo., Poplar Bluff** — Power Plant — See "Dams."

**Mo., St. Joseph** — Plant — M. K. Goetz Brewing Co., soon takes bids 1 and 3 story, 65 x 120 ft., rein.-con., brick and steel plant. E. R. Meier, Lincoln Bldg., archt. Noted Oct. 16.

**Mo., St. Louis** — Mill — Fulton Bag & Cotton Mills, Atlanta, Ga. plans 4 story and basement, 150 x 200 ft. mill, here. $400,000. Engineer and architect not selected.

**Ark., Conway**—Creamery—Terry Dairy Co., 18th and Scott Sts., Little Rock, having preliminary plans prepared 1 story creamery, brick and concrete. $50,000. Private plans.

**Tex., Ft. Worth**—Factory—B. B. Buckerdige, c/o Chamber of Commerce, plans bag, box and casket factory. $590,000. Engineer and architect not announced.

**Tex., Kerrville**—Plant—T. V. Lawson & S. Eastland, Kerrville, plan converting Kerrville Roller Mills, 3 story and basement, into ice and cold storage plant, brick and concrete $70,000.

**Okla., Blackwell**—Plant—R. W. Porter making preliminary plans electric light, power and ice plant. No bids will be taken. Private plans.

**Calif., Salinas**—Plant and Extensions—Central Counties Gas Co., Salinas, plans plant and main extensions, $100,000.

**Calif., San Francisco**—Plant—Bankers Printing Co., 535 Sacramento St., having plans prepared by O'Brien Bros., 315 Montgomery St., 1 story and basement, 50 x 150 ft., rein.-con., Montgomery St. $45,000.

**Calif., San Francisco** — Mills — Pacific Wool Products Co., 340 South Main St., making plans rebuilding mill recently destroyed by fire. $175,000. Engineer and architect not selected.

**Que., Three Rivers**—Mill—International Paper Co., Pershing Sq. Bldg., New York City, plans addition to paper mill, here. $5,000,000. F. White, c/o Owners, engr.

**Ont., Collingwood** — Smart Bros. Ltd., plan new and larger plant. $50,000.

**B. C., Vancouver**—Dairy and Garage, etc.—Fraser Valley Milk Producers Assn., 8th Ave. and Yukon St., takes bids in about 5 weeks 3 story and basement, 60 x 122 ft. dairy, 1 story and basement, 73 x 122 ft. garage, and 3 story 100 x 120 ft. stable, 8th Ave. and Yukon St. $131,500. P. P. Brown, 410 London Bldg., engr.

**S. A., Peru** — Plant — Cerro de Pasco Copper Corp., 15 Broad St., New York City, making preliminary plans plant, here. $300,000. Private plans.

### BIDS DESIRED

**Mass., Cambridge** (Boston P. O.) — Garage and Repair Shop—Mass. Wharf Coal Co., 30 Kilby St., Boston, taking bids one story, 80 x 165 ft., rein.-con., brick and steel, Kendall Sq., $50,000. W. C. Cotter, 12 Harvard St., Somerville, archt.

**Mass., Forest Hills** (mail Boston) — Boiler House—Boston Elevated Ry. Co., 31 St. James Ave., taking bids 1 story, 90 x 200 ft., rein.-con. and steel, Washington St., here. $500,000. A. J. Blackburn, c/o owner, engr. Noted July 24.

**Mass., South Boston** (Boston P. O.) — Factory—L. Shepard Co., 1st St., taking bids 1 story, 55 x 300 ft., brick factory, Walnut St. $60,000. Clifford & Roeblad, 101 Tremont St., Boston, archts.

**Mass., Watertown** (Boston P. O.)—Winchester Laundries, Inc., taking bids 4 story and basement, 60 x 80 ft., rein.-con. and brick, Salem and Williams Sts. Densmore, Le Clear & Robbins, Park Sq. Bldg., Boston, archts.

**Mo., St. Louis**—Foundry—Klipstein & Rethman, archts., Chemical Bldg., taking bids and open same about Nov. 1, 1 and 2 story, rein.-con. and steel group of buildings, Kingshighway and Manchester St., for More-Jones Brass & Metal Co., 314 North Bway. $400,000.

### BIDS RECEIVED

**Calif., Sacramento** — Plant — California Packing Corp., 101 California St., San Francisco, 1 and 2 story, 70 x 300 ft., rein.-con. packing plant, 16 to 18th, B and C Sts., from Macdonald and Kahn, 130 Montgomery St., San Francisco, approximately $275,000.

### CONTRACTS AWARDED

**Mass., Boston** — Manufacturing — Bristol Street Realty Co., c/o J. Finberg, 81 Bristol St., 4 story and basement, 65 x 180 ft., brick and steel, Harrison Ave., and Bristol St., to J. M. Brauneis, 76 Weld Hill St., Jamaica Plain. Archts. est. $100,000. Noted Oct. 9.

**Mass., Boston** — See "Building Commercial."

**Mass., East Boston** (Boston P. O.) — Warehouse—Standard Oil C.o of New York, 31 St. James S.t, 2 story and basement, 95 x 160 ft., brick and tile, here, to S. C. Sperry Co., Inc., 299 Main St., Cambridge. Archts. est. to exceed $40,000. Noted Oct. 2.

**Mass., Holbrook**—Factory and Storehouse—Owner (name withheld), 2 story, 100 x 200 ft., brick and timber, School St., to W. H. Webber, North Franklin St.

**Mass., Lynn** — Factory, Garage and Ice House—Jersey Ice Cream Co., c/o Ashton, Huntress & Alter, archts., 477 Essex St., Lawrence, will build 1 story, brick and timber, Western and Eastern Aves., by day labor. $100,000.

**Conn., Bridgeport**—Chemical Laboratory—Amer. Chain Co., 829 Connecticut Ave., 2 story and basement, 42 x 52 ft., brick, plain foundation, Hollister Ave., to T. J. Pardy Constr. Co., 1481 Seaview Ave. Archts. est. $40,000.

**Conn., Hartford**—Dye House—B. Mellman et al., 299 Garden St., 1 story and basement, 39 x 96 ft., brick, plain foundation to L. Schwinken, 35 Earl St. Archts. est. $40,000.

**Conn., Meriden**—Dairy—Millbrook Dairy Co., 41 Broad St., Middletown, 2 story and basement, 60 x 60 ft., brick, plain foundation, Liberty St., to Immick Co., State St. Archts. est. $40,000. Noted July 31.

**Conn., Middletown** — Factory — Russell Mfg. Co., 2 story and basement, 48 x 144 ft., brick and tile, to D. O'Brien Sons Co., 15 McDonough Pl. Archts. est. $40,000.

**N. Y., Schenectady** — Plant — General Electric Co., 5 story and basement, 150 x 250 ft., rein.-con., plain foundation, to U. G. I. Constr. Co., Broad and Arch. Sts., Phila.

**Pa., Braddock** — Ice Cream Plant — Meyers & Powers, 436 Library Ave., general contract 2 story, 53 x 109 ft. ice cream plant, Library Ave., to Hodder Constr. Co., Braddock. Archts. est. $40,000.

**Pa., Clearfield**—Plant—Clearfield Brick Mfg. Co., 3 story and basement 44 x 50 ft., and 1 story 68 x 70 ft., and 1 story, 36 x 36 ft. additions to brick plant to A. Rishel, Brown Bldg. Archts. est. $40,000.

**Pa., Corry**—Factory—Corry Jamestown Mfg. Co., general contract 4 story and basement, 61 x 131 ft. factory addition, to Chapman & Graham, 132 Blackstone Ave., Jamestown, N. Y. Archts. est. $65,000. Noted Sept. 25.

**Pa., Erie**—Plant—Erie Lithographine Co., general contract 3 story and basement, 80 x 333 ft. and 80 x 160 ft., 4th and State Sts., to Folwell Ahlskog Co., 323 North Michigan Ave., Chicago. Archts. est. $375,000.

**Pa., Phila.**—Factory and Office—U. S. Pencil Co., c/o J. T. Furst, 60th & Baltimore Sts., 2 story and basement, 60 x 218 ft., brick, plain foundation, Woodland Ave. and 60th St., to McCloskey Co., 1620 West Thompson St. $65,000. Noted Sept. 25.

**Pa., Pittsburgh**—Plant—Terr-Put Auto Specialties Co., 7200 Race St., general contract 2 story and basement, 48 x 60 ft. plant, Washington Blvd., to N. V. Watson, 6800 Kelly Blvd. Archts. est. $40,000.

**Pa., Warren** — Plant — Struthers Wells Co., 1 story addition, to McClinton Marshall Co., Oliver Bldg., Pittsburgh. Archts. est. $60,000.

**N. C., Rocky Mount**—Power House—T. T. Thorne, mayor, and Bd. Alderman, brick and steel power house, to D. J. Rose & Son, Rocky Mount, $110,000. Noted Sept. 18.

**S. C., Spartanburg**—Plant—International Agricultural Assn., 61 Bway., New York City, rebuilding plant recently destroyed by fire, near here, to Hugger Bros., Atlanta, Ga., $125,000.

**O., Cincinnati**—Factory—Houser-Stander Tank Co., S. Houser, pres., 1 story, 60 x 300 ft., brick and steel, Spring Grove Ave., to The Austin Co., 16112 Euclid Ave., Cleveland. Archts. est. $60,000.

**O., Cleveland**—Shop—C. J. Bath & Co., 1738 St. Clair Ave., 1 story, 67 x 94 ft., brick and steel machine shop, East 69th St., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $40,000.

**O., Cleveland**—Factory—J. Kalsch, archt., 4500 Euclid Ave., 1 story, 52 x 164 ft., brick and steel, 2814 Detroit Ave., to Griffin-Zimmerman Co., Engineers Bldg., for Prompt Printing & Publishing Co., c/o G. T. Eary, mgr., 2614 Detroit Ave., engrs. est. $50,000. Noted Oct. 9.

**Ill., Rockford**—Mill—Rockford Mitten & Hosiery Co., 1 story and basement, 80 x 110 ft., brick and timber addition, plain foundation, to Holm-Page Co., Rockford. Archts. est. $40,000.

Buildings—Industrial (Continued)

**Wis., Athens** — Cannery, etc. — Athens Canning Co., will build 2 story, 50 x 110 ft. cannery also 66 x 128 ft. warehouse brick and mill, plain foundation, by day labor. $75,000. Private plans.

**Wis., Chilton** — Factory — Aluminum Specialty Co., 17th and Wollmer Sts., Manitowoc, 2 story and basement, 62 x 100 ft., brick and concrete, plain foundation, here, to W. H. Mielke, 1331 South 10th St., Manitowoc. Archts. est. $50,000.

**Wis., Crivitz** — Plant — Wisconsin Pub. Serv. Corp., 559 Marshall St., Milwaukee, 2 story brick and concrete, hydro-electric power plant, plain foundation, also rein.-con. dam, 43 ft. high, to J. R. McDonald, Black River Falls; water wheels, and generators, etc., to Allis Chalmers Mfg. Co., West Allis. Engrs. est. $650,000.

**Wis., Kewaunee** — Factory and Boiler-house—J. Svoboda, 2 story and basement, 50 x 133 ft. factory, also 30 x 36 ft. boiler-house, both brick and timber, plain foundation, to R. Guse, Kewaunee. Archts. est. $50,000.

**Wis., Manitowoc** — Laundry and Boiler House—Holy Family Hospital, Route 1, 2 story and basement, 44 x 102 ft., brick and concrete, plain foundation, to W. W. Oeflein, 86 Michigan Ave., Milwaukee. Archts. est. $55,000. Noted Sept. 11.

**Wis., Portage**—Creamery—Portage Co.—Operative Creamery Co., 2 story and basement, 68 x 80 ft., brick and concrete, plain foundation, to Tilseth & Wolden, Menomonie. Archts. est. $40,000. Noted Oct. 2.

**Wis., Rhinelander** — Factory — Daniels Mfg. Co., 1 story and basement, 60 x 200 ft., brick and steel, plain foundation to Kalman Steel Co., 216 West Water St., Milwaukee, $80,000. Noted Sept. 11.

**Ia., Cedar Rapids** — Plant and Office — Hubbard Ice & Coal Co., 700 North 1st St., 2 story and basement, 63 x 154 ft. brick, steel and concrete, North 1st St., to M. Mildenstein, Inter-Ocean Bldg. Archts. est. $40,000.

**S. D., Huron**—Plant—Swift & Co., 76 West Monroe St., Chicago, 3 story, 76 x 146 ft., brick and concrete, Varnal St. and Dakota Ave., general contract to W. A. Klinger, Warnock Bldg., Sioux City, Ia., about $125,000.

**Mo., Farmington**—Storage Plant—State Eleemosynary Bd., Jefferson City, 2 story, 39 x 40 ft., ice and cold storage plant, here, to G. P. Reintjes, 411 Mutual Bldg., Kansas City; equipment for above, to United Iron Works, 301 Ridge Arcade, Kansas City.

**Mo., St. Louis** — Plant — Woodward & Tiernan Printing Co., 309 North 3rd St., 2 and 3 story, 180 x 520 ft., rein.-con., brick and steel, Tower Grove, to Fruin-Colnon Constr. Co., Merchants Laclede Bldg. Archts. est. $625,000.

**Wash., Seattle** — Factory — Amer. Can Co., Ft. Clay St., 6 story, 120 x 360 ft., rein.con., Cedar and Vine Sts., to A. W. Quist Co. Hoge Bldg. Archts. est. $800,000.

**Calif., San Francisco**—Factory—Western Cooperage Co., 14th and Harrison Sts., 2 story, brick factory, 14th near Harrison St., to Austin & Co., 605 Market St., $100,000 approximately.

## Buildings—Commercial

### PROPOSED WORK

**Mass., Boston**—Clubhouse—Boston Motor Club, Hotel Lenox plans clubhouse. D. S. Hickey, 755 Boylston St., archt.

**Mass. Boston**—Office and Manufacturing—Snyder & Ruker, 18 Tremont St., making plans 14 story and basement, 100 x 115 ft., brick Washington and Kneeland Sts. Private plans.

**Mass., Boston**—Warehouses, etc.—Owner, c/o Park Sq. Real Estate Trust, 131 State St., having preliminary sketches made by Lockwood Greene & Co., engrs., 24 Federal St., 80 x 660 ft., 80 x 230 ft., 80 x 530 ft., 80 x 490 ft., 80 x 420 ft., and 80 x 615 ft. warehouses also 45 x 150 ft. power house, rein.-con. and steel, Audubon Rd., and Brookline Ave. $7,000,000.

**Mass., Brookline** (Boston P. O.)—Beaver Country Day School, Inc., 62 Buckminster Rd., having plans prepared by G. Allen, 162 Newbury St., Boston, 3 story and basement, brick addition, Buckminster Rd. $150,000. French & Hubbard, 210 South St., Boston, engr.

**Mass., Boston**—Store and Office—Goddard Estate, c/o C. G. Loring, archt., 7 Water St., having sketches made brick, stone and steel, Court and Hanover St. To exceed $150,000.

**Mass., Chelsea** — School — Our Lady of Grave Church, Nichols St., J. M. Smith chn. building com., plans 2 story, brick school, Nichols St. $150,000. Engineer and architect not selected.

**Mass., Concord** — Church — Trinitarian Congregational Church Society, plans new church, Waldon and Hubbard Sts. Concord Center, $150,000. Engineer and architect not selected.

**Mass., Hamilton**—Church—Christ Episcopal Church Society, having sketches made by C. C. Coveney, 184 Boylston St., Boston, 1 story and basement church. $150,000.

**Mass., New Bedford**—School Com. having plans prepared by Brown & Poole, 688 Pleasant St., 3 story and basement, 150 x 225 ft., rein.-con., brick, steel and limestone, County and Morgan Sts. $200,000.

**Mass., Northampton** — Hotel — Leland Hotel Co., plans new hotel, $390,000. Engineer and architect not selected.

**Mass., Rockland**—School—Town, c/o A. Toothaker, supt. Schools, having sketches made by Brainerd & Leeds, 89 Franklin St., Boston, 2 story school. $150,000.

**Mass., Salem**—School—St. Josephs French Church, Salem, having plans prepared by J. A. Marchand, 159 Lafayette St., 3 story and basement, brick and cast stone Lafayette and Dow Sts. $155,000.

**Mass., Somerville**—Garage—H. Rosen, 112 Wisconsin Ave., making plans 3 story 55 x 130 ft., rein.-con., brick and concrete Webster Ave., Prospect and Newton Sts. $150,000. Private plans.

**Mass., Springfield** — Apartment — Owner, c/o J. W. Foster, 105 Bridge St., plans brick and steel apartment, Spring St., $300-$350,000.

**Mass., Westboro** — High School — Bd. Educ. having preliminary plans prepared by Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, 3 story and basement, brick. $200,000.

**R. I., Providence** — Fire Station — City Property Comn., City Hall, plans fire station to replace second police station, $150,000. Engineer and architect not selected.

**Conn., Bridgeport**—Library—Library Bd., c/o H. A. Bishop, 987 Main St., not receiving bids 3 story and basement, 75 x 225 ft., brick and limestone, Gilbert, State and Broad Sts., F. J. Dixon, Liberty Bldg., archt. C. S. Palmer, 114 Whitney Ave., New Haven, associated archt. This corrects report in Oct. 16 issue.

**Conn., Derby**—School—School Dept. plans brick high school, plain foundation. $150,000. W. J. Smith, 250 Main St., archt. Noted Aug. 7.

**Conn., Hartford** — Apartments — J. M. Howard, 28 Lancaster Rd., having revised plans prepared by Berenson & Moses, 30 Allyn St., 4 story and basement, brick and steel, plain foundation, Farmington and Gillette Sts. $150,000.

**Conn., Hartford**—Hotel—L. Troub, 750 Main St., having plans prepared by Golden-Storrs Co., 983 Main St., 5 story and basement, 65 x 75 ft., brick and steel, plain foundation, High St. $150,000.

**Conn., Manchester** — Municipal — Selectmen, Hall Records Bldg., having plans prepared large municipal building to replace Hall of Records Bldg. $150,000. F. M. Farley, 333 4th Ave., New York City, archt.

**Conn., New Haven**—Apartment—Vernoff & Richmond, 416 Whitney Ave., having plans prepared by C. H. Abrahamowitz, 42 Church St., 3 story and basement, 89 x 140 ft., brick and stone, plain foundation, Pendelton St. $150,000.

**Conn., Stamford**—Temple—Temple Beth-El Congregation c/o A. Wofsey chn., Van Rensselaer Ave., plans large Temple, Prospect St. $150,000. Engineer and architect not selected.

**N. Y., Buffalo** — Apartment — R. W. Werner, Prudential Bldg., making plans 5 story, 250 x 365 ft., rein.-con. and brick, Main St. To exceed $500,000. Engineer and architects names withheld.

**N. Y., Long Lake**—School—Voted $150,000 bonds for new fireproof school. Engineer and architect not selected.

**N. Y., New York** — Apartment — N. J. Hess, 17 East 42nd St. had plans prepared by J. E. R. Carpenter, archt. and engr., 598 Madison Ave., 15 story, 50 x 100 ft., brick, steel and stone, plain foundation, 56 East 65th St.

**N. Y., New York** — Apartment — G. Keister, archt. and engr., 56 West 45th St., making plans 9 story, brick, steel and stone, plain foundation, 14 East 48th St. $650,000. Owners name withheld.

**N. Y., New York** — Apartment — Wheelock, Harris, Vought Co., 14 Wall St., soon takes bids 15 story, brick, steel and stone, plain foundation, 167 East 72 St. $1,500,000. Rouse & Goldstone, 512 5th Ave., archts.

**N. Y., New York**—Garage—McCarthy & Kelly, archts. and engrs., 159 Remsen St., Brooklyn, preparing plans 3 story, 100 x 240 ft., rein.-con., brick and steel, plain foundation, 2nd Ave. and 48th St., here. $200,000. Owner's name withheld.

**N. Y., New York** — Hotel — Newmark, Jacob & Newmark, 3410 Bway., soon takes bids 15 story, brick, steel and stone, plain foundation, Morningside Dr. $1,500,000. G. F. Pelham, 200 West 72nd St., archt.

**N. Y., New York**—Store—J. McCutcheon & Co., 34th St. and 5th Ave., having plans prepared by Starrett & Van Vleck, archts. and engrs., 8 West 40th St., 12 story, brick, steel and stone, plain foundation, 49th St. and 5th Ave. $3,500,000.

**N. J., Camden**—Theatre—Stanley Co. of America, 1916 Arch St., Phila. Pa., having plans prepared by Hoffman-Henon Co., France Bldg., Phila. Pa., 110 x 160 ft., brick and stone, plain foundation, 6th and Market Sts.

**N. J., New Brunswick** — Home — New Brunswick B. P. O. E., New Brunswick, making plans, 3 story, club house, $300,000. W. J. C. Jacques, 16 Dennis St., trustee.

**N. J., Newark** — College — New Jersey College of Pharmacy, Bellville Ave., having plans prepared by Stanley & Wheeler, archts. and engrs., 40 Clinton St., 2 and 3 story, brick, steel and stone, plain foundation, Arlington Ave. $750,000.

**Pa., Coudersport** — Church — First Baptist Church, plans 2 story and basement, 80 x 90 ft., brick and stone. $150,000. Engineer and architect not selected. R. A. Hick, W. B. Cole and W. F. Schutt, Coudersport building com.

**Pa., Petty Island** (Phila. P. O.)—Storage—H. L. Doherty & Co., 60 Wall St., New York City, having preliminary plans prepared storage plant addition, here. Crew-Levick Co., 219 North Broad St., Phila., engrs. $250,000.

**Pa., West View** — High School — Bd. Educ., c/o G. J. Lang, having plans prepared by G. H. Schwan, Peoples Bank Bldg., Pittsburgh, Junior High School, 2 story and basement. $150,000.

**Md., Baltimore**—School and Gymnasium—Bd. Awards rejected bids Oct. 1. 3 story and basement, 54 x 115 ft., brick addition to school and gymnasium, plain foundation, Pimlico Rd. and Thorndale Ave. Will revise plans. Noted Oct. 9.

**Miss., Jackson**—School—Bd. Educ. takes bids in December, Junior High School, 3 story, rein.-con., brick and stone. $250,000. C. R. Lindsley, Jackson, archt. Noted Sept. 4.

**La., Baton Rouge**—Church—First Presbyterian Church, c/o H. H. Thompson, pastor, having preliminary plans prepared by Spencer & Phillips, Madison Ave. Bldg., Memphis, Tenn., 2 story, concrete and brick. $150,000.

**Tenn., Elizabethton**—School—Carter Co. Bd. Educ., J. R. Ritchie, supt., Elizabethton, having plans prepared by D. R. Besson, Elizabethton, 2 story and basement, 10 room school. $150,000.

**Tenn., Knoxville**—Hospital—Hospital—Diocese of Tennessee Catholic, A. L. Smith, bishop, Nashville, plans modern hospital, here. $500,000. Engineer and architect not selected.

**Tenn., Nashville** — Sanitarium — Buena Vista Springs Sanitarium Co., White City Pk., plans 100 room sanitorium with laboratories and equipment for mineral baths. $300,000.

**Tenn., Memphis**—Church—Idlewild Presbyterian Church, having plans prepared by Pfeil & Awsumb, U and P Bldg., Gothic design, brick and stone, Union and Evergreen Sts. $350,000.

**Tenn., Memphis** — Warehouse — Jones-Laughlin Steel Corp., Ross St., Pittsburgh, Pa., and Memphis, Tenn., purchased 9 acre site for warehouse. $150,000.

**O., Bremen**—High School—Election Nov. 4. $150,000 bonds for high school.

**O., Canton** — Hotel — Owner, c/o L. Rogers, Clark Bldg., plans 5 story and basement, 100 x 150 ft., brick and steel, 3rd and Walnut Sts. N. E. $350,000.

**O., Cedar Point** (Sta. Sandusky)—Hotel—Hotel Breakers Co., had plans prepared by W. S. Longree, 500 Marshall Bldg., Cleveland, 3 story and basement, 53 x 370 ft., stucco and timber addition, $200,000.

**O., Cincinnati** — Church — Hyde Park Methodist Church Grace Ave., having plans prepared by Lowe & Ballenbacher, 108 South La Salle St., Chicago, Ill., 2 story and basement, rein.-con., brick and stone, plain foundation, Grace Ave. $450,000.

**O., Cleveland**—Apartment—F. F. Book, 146 East 212th St., had plans prepared 3 story and basement, 34 x 135 ft., brick and steel, 616 East 140th St. $150,000. Private plans.

**O., Cleveland**—High Schools—Bd. Educ., F. G. Hogan, dir., having plans prepared by W. R. McCornack, Sixth-St. Clair Bldg., 2 story and basement, East 176th St. and Grovewood Ave., $366,700, and 2 story and basement, East 115th St. and Moulton

Buildings—Commercial (Continued)

Ave., $689,000, both brick, steel and concrete.

**O., Cleveland**—High School—Bd. Educ., F. G. Hogan, dir., having plans prepared by W. R. McCornack, Sixth-St. Clair Bldg., 3 story and basement, brick, steel and concrete, West Park Dist. $1,158,600.

**O., Cleveland**—Lodging House—Junior League of Cleveland, c/o A. Garfield, archt., Natl. City Bldg., making preliminary plans 4 story and basement, 40 x 110 ft., brick, steel and concrete, 2344 Prospect Ave. $150,000.

**O., Cleveland** — Restaurant and Office — Childs Co., 200 5th Ave., New York City, taking bids and opens same about Oct. 27, 2 story, 66 x 280 ft., brick, steel and stone, plain foundation, $500,000. G. B. Post & Sons, 101 Park Ave., New York City, archts. and engrs. Noted Oct. 2.

**O., Cleveland Heights** (Warrensville P. O.)—Church, Parish House and Rectory—St. Pauls Episcopal Church, c/o W. R. Breed, pastor, 4108 Euclid Ave., Cleveland, having plans prepared by Cram & Ferguson, 248 Boyelston St., Boston, Mass., 2 story, stone and steel, Fairmount Blvd. and Coventry Rd., here. $300,000. Noted Jan. 31.

**O., Lancaster**—High School—Bd. Educ., having plans prepared by D. Riebel & Son, 1st Natl. Bank Bldg., Columbus, 3 story and basement, 200 x 200 ft., rein.-con., and brick, $450,000.

**O., Lancaster** — School — Fairfield Co. election Nov. 4, $150,000 bonds for school.

**O., Mansfield** — Home — Richmond Co. election Nov. 4, $210,000 bonds for home, near here. Noted Oct. 16.

**O., New Philadelphia**—Schools—Election Nov. 4, $275,000 bonds for 2 schools. Noted Oct. 2.

**O., Warrensville**—School—Election Nov. 4, $250,000 bonds, 2 story and basement, brick, steel and concrete addition for Bd. Educ. of Bee Hive School Dist. Engineer and architect not selected.

**O., Youngstown** — Hotel — Knights of Pythias, plans 10 story and basement, 100 x 100 ft., brick and steel, Front and Champion Sts. $1,000,000.

**Ind., Evansville**—Warehouse—Evansville Supply Co., 1st Ave. S., Nashville, Tenn., having plans prepared by A. E. Neucks, Old State Bank Bldg., Nashville, Tenn., 2 story and basement, 1st Ave. S. $150,000.

**Mich., Detroit**—Apartment—S. E. Remey, archt., 1140 Griswold St., completing plans, 4 story and basement, 92 x 160 ft., brick and concrete, plain foundation, $200,000. Owner's name withheld.

**Mich., Detroit**—School—Bd. Educ., 1354 Bway. Ave., having plans prepared by Malcomson & Higginbotham, 1217 Griswold St., 2 story and basement, rein.-con., brick and steel, plain foundation, Bloom Ave. $200,000.

**Mich., Detroit**—Theatre—P. R. Rossello, archt., 406 Congress Bldg., preparing plans, 2 story and basement, 100 x 150 ft., brick, steel and concrete, plain foundation, St. Jean Ave., $200,000. Owner's name withheld.

**Mich., Pontiac** — Infirmary — Oakland County Poor Farm, Pontiac, having plans prepared by Malcolmson & Higginbotham, Industrial Bank Bldg., Detroit, 3 story and basement, brick and stone, here. $200,000.

**Ill., Mooseheart**—Loyal Order of Moose, c/o J. J. Davis, secy., making preliminary plans 39 concrete and stone cottages. $1,500,000. Private plans.

**Ill., Rockford**—School—Bd. Educ. having plans prepared by Peterson & Johnson, Swedish-American Bldg., East Junior High School, 3 story and basement, rein.-con., brick and stone, Charles and Williams Rds. $800,000.

**Wis., Cudahy**—High School—Bd. Educ., F. H. Schade, pres., plans 2 story and basement, brick, tile and concrete, plain foundation, $300,000. Engineer and architect not selected.

**Wis., Dodgeville** — Hospital — Lutheran Hospital Assn., c/o O. Hanson, chrn., having plans prepared by Goarder & Goarder, Home Investment Bldg., Albert Lee, Minn., 3 story, rein.-con., brick and steel. Noted March 20.

**Wis., Eau Claire**—High School—Election November 4th $600,000 bonds, 3 story and basement, brick, tile and concrete, plain foundation. Engineer and architect not selected.

**Wis., Fond du Lac**—Theatre, Store and Office—W. Schroeder, 86 Michigan St., Milwaukee, having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., 3 story and basement, 100 x 200 ft., brick, concrete and steel, plain foundation, Main St. $350,000. Noted Oct. 2.

**Wis., Milwaukee**—Business—G. Watts & Son, 424 Milwaukee St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St., 2 story and basement, 60 x 120 ft. and 62 x 120 ft., brick and concrete, plain foundation, Mason St. $150,000. Noted Aug. 28.

**Wis., Milwaukee**—Garage—E. W. Clark Motor Co., 456 Jackson St., having preliminary plans prepared by Buemming & Guth, 521 Jackson St., 3 story and basement, brick and concrete, plain foundation. $150,000.

**Wis., Milwaukee** — Home — Protestant Home for Aged, 503 Downer Ave., rejected bids 4 story and basement, brick and concrete addition, plain foundation. $175,000. Will readvertise. Noted Sept. 25.

**Wis., Milwaukee** — School — School Bd., 10th and Prairie Sts., having preliminary plans prepared by Van Ryan & De Gelleke, 114 Grand Ave., 2 story and basement, brick and tile addition, plain foundation, Oklahoma Ave. $150,000.

**Wis., Oshkosh** — School — Bd. Normal Regents, c/o W. J. Little, secy., Madison, plans 2 story and basement, rein.-con., brick and steel, plain foundation, here. $300,000. Engineer and architect not selected.

**Wis., River Falls**—School—Bd. Normal Regents, W. J. Kittle, secy., Madison, plans 2 story and basement, reni.-con., brick and steel, plain foundation, here. $250,000. Engineer and architect not selected.

**Ia., Cedar Rapids**—Store—Killian Co. having revised plans prepared by F. Tustison Co., 350 Northwestern Natl. Life Bldg., Minneapolis, Minn., 12 story and basement, 80 x 120 ft., rein.-con., brick and tile, 3rd Ave. and 2nd St. Former bids rejected. Noted Oct. 2.

**Minn., Minneapolis**—Apartment—Dietz-Hanson Co., 420 First Natl. Soo Line Bldg., having plans prepared by a Rose, 1007 Builders Exch., two 3 story and basement, rein.-con., brick and tile, 1st Ave., near 18th St. $120,000 each.

**Neb., Lincoln**—Schools—Election Nov. 4, $3,000,000 bonds to construct 5 new grade and two junior high schools, also additions to high and three grade schools, etc.

**Mo., Louisiana** — Hospital — Pike Co. election Nov. 4 to decide whether to assess tax to maintain 3 story and basement, brick and concrete hospital for Otis Smith Hospital Fund, c/o T. H. Wilcox, chn. $150,000 available.

**Mo., St. Louis**—Office—Skouras Enterprises, c/o Grand Central Bldg., Grand Blvd. and Lucas Ave., having preliminary plans prepared reni.-con., brick, stone, steel, terra cotta and marble. $1,000,000. Private plans.

**Mo., St. Louis**—Theatre and Hotel—Shubert Interests, c/o Shubert-Jefferson Theatre, 12th and Locust Sts., having preliminary plans prepared rein.-con., brick, stone and steel, containing 800 rooms, etc. Private plans.

**Mo., St. Louis**—Theatre—Loew's Incorporated, 1540 Bway., New York City, having preliminary plans prepared by T. W. Lamb, 644 8th Ave., New York City, rein.-con., brick, stone, steel, terra cotta and marble, here. $1,000,000.

**Mo., University City**—Lodge—University City Lodge 649, A. F. & A. M. takes bids in January, 2 story and basement, rein.-con., brick and stone. $150,000. J. W. Lewis, Railway Exch. Bldg., St. Louis, archt.

**Ark., Paragould** — High School — Bd. Educ. soon takes bids 2 story and basement, rein.-con. and brick, $150,000. Mann & Stern, A. O. U. W. Bldg., Little Rock, archts. Noted May 1.

**Tex., Blairsville**—High School—Election Nov. 4, $150,000 bonds new high school.

**Tex., Plainview** — Church — A. C. Hatchell, chm. First Baptist Congregation, Amarillo, soon takes bids 2 story and basement, 70 x 140 ft. church. $150,000. Kerr & Walsh, Amarillo, archts. Noted June 5.

**Tex., Teague** — City Hall — Plans city hall. $250,000 bonds voted. H. E. Cochran, mayor. Architect selected soon.

**Tex., San Antonio** — Apartment — J. V. Rowan, Tampico, Mexico, making plans 4 story, 70 x 80 ft., brick and rein.-con., Breeden and Mistletoe Aves., here. $150,000. Private plans.

**Okla., Muskogee**—Temple—Masonic Temple Assn. soon takes bids 2 story and basement, rein.-con., brick and stone. $150,000. Bassham & Howenstine, 702 Commercial Bldg., archts.

**Okla., Tulsa**—Office and Terminal—T. B. Slick c/o J. F. Kilpatrick, Security Bank Bldg., having preliminary plans prepared by Hawk & Parr, Cotton Exch., Oklahoma City, 5 story and basement, 95 x 145 ft. rein.-con. and brick, 4th and Cheyenne Sts. $400,000.

**Wash., Seattle**—Apartment—J. A. Creutzer, archt., Leary Bldg., takes bids about Nov. 13, 5 story, brick trimmed, 1619 Minor Ave. $160,000. Owner's name withheld.

**Wash., Tacoma**—High School—Bd. Educ. School Dist. 10, takes bids about Jan. 1, Robert Gray Intermediate High School, South 60th and Alder Sts., $200,000. E. J. Bresemen, 332 Perkins Bldg., archt.

**Calif., Los Angeles**—Church—Thirteenth Church of Christ Scientists, having plans prepared by Allison & Allison, Hibernian Bldg., masonry construction, Edgemont Blvd. $150,000.

**Calif., San Bernardino**—Church—First Christian Church, having plans prepared by R. H. Orr, Corporation Bldg., Los Angeles, rein.-con. church. $150,000.

**Calif., Los Angeles** — Hospital — Osteopathic Sanitorium, Inc., c/o Stromwell-Halperin Co., archts., 1007 South Grand Ave., plans 5 story, approximately 50 x 145 ft., rein.-con., Temple St. $500,000.

**Calif., Los Angeles**—Hotel—W. O. Hollofield, c/o L. T. Mayo, archt., Black Bldg., having plans prepared 4 story and basement, 150 x 150 ft., brick, 6th St. $200,000.

**Calif., Los Angeles**—Store and Loft—Sun Realty Co., et al., 1116 South Los Angeles St., having plans made by Curlett & Beelman, Union Bank Bldg., 11 story, basement and sub-basement, approximately 107 x 300 ft., rein.-con. and steel, 7th St.

**Calif., Oakland**—Store and Office—C. W. McCall, archt., County Title and Insurance Bldg., making plans 4 story, rein.-con., 40th and Grove Sts. $250,000. Owner's name withheld.

**Calif., Oakland** — Hotel and Store — A. Griewank, archt., Call Bldg., San Francisco, making sketches, 11 story and basement, Class A, near 7th and Washington Sts. $500,000. Owner's name withheld.

**Calif., Oakland** — Theatre—Golden State Theatre and Realty Co., c/o A. W. Cornelious, archt., Merchants Natl. Bank Bldg., San Francisco, having plans prepared, rein.-con., East 14th St. $200,000.

**Calif., Orange**—Lodge and Store—Odd Fellows Lodge of Orange having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, 3 story and basement, 85 x 125 ft., rein.-con. $150,000.

**Calif., Pasadena**—Library—City having plans prepared by M. Hunt, Hibernian Bldg., 1, 2 and 3 story and basement, 185 x 315 ft., rein.-con. $350,000.

**Calif., San Francisco**—Home—Old Ladies University Mound Home, c/o C. E. Gottschalk, archt., Phelan Bldg., having sketches made group of fireproof buildings, Mound and University Sts. $300,000 or more.

**Calif., San Francisco** — Y. M. C. A., Leavenworht St. and Golden Gate Ave., plans 3 story, fireproof club building, 18th Ave. and Geary St. Engineer and architect not selected.

**Calif., Santa Monica**—Club—Edgewater Club, c/o H. C. Howard, archt., 3422 Hermosa Ave., Hermosa Beach, had preliminary plans prepared 7 story and basement, rein.-con. and steel, Pico Blvd. $550,000.

**Calif., Ukiah**—Hotel—Palace Hotel Co., Ukiah, having preliminary plans prepared by Tuttle and Tuttle, 357 12th St., Oakland, 3 story, fireproof annex, $155,000.

**Calif., Ukiah**—Hotel—Chamber of Commerce and Capitalists of San Francisco, plan 100 room fireproof hotel. $350,000. Engineer and architect not selected.

**Calif., Venice** — Club — Shoremont Club, 313 Lincoln Bldg., Los Angeles, having plans prepared by E. D. Chittenden, 1506 South Central Ave., Glendale, 8 story and basement, 100 x 200 ft., rein.-con. and steel. $800,000. Noted Oct. 16.

**Calif., Ventura** — Bank — First Natl. Bank, having plans prepared by H. H. Winner Co., 55 New Montgomery St., San Francisco, rein.-con. bank. $150,000.

**Que., Charlesburg** — Convent — Sister of Hospital St. Francois D'Assise, Quebec, plans convent here. $175,000.

**Que., Montreal** — Hotel — Shrines Hotel Ltd., c/o C. A. Mitchell, archt., 304 University St., soon takes bids hotel, Cote Des Neiges Rd. $400,000.

**Ont., Ottawa**—Hotel—Russell Hotel Co., Sparks St., soon takes bids 10 story, rein.-con. and brick, plain foundation, Sparks St. $1,000,000.

**Que., St. Anne de Beaupre** — Hotel — Shrines Hotel Co., c/o C. A. Mitchell, archt., 304 University St., Montreal, soon takes bids hotel, here. $500,000.

## BIDS DESIRED

**N. H., Exeter** — Dormitories — Phillips Exeter Academy, taking bids 3 and 4 story, brick and limestone dormitories. Cram & Ferguson, 248 Boylston St., Boston, archts. Noted Sept. 11.

**Mass., Boston** — Apartment — E. Wyner, 18 Tremont St., taking bids 5 story and basement, 49 x 90 ft., brick and stone, 6 Marlboro St. $150,000. N. Jacobs, 4 Park St., archt. Noted Sept 25.

Buildings—Commercial (Continued)

**Mass., Roxbury** (Boston P. O.)—Theatre—Eggleston Sq. Theatre, c/o Littlefield Trust, Eggleston Sq., taking bids 2 story, 90 x 175 ft., rein.-con., brick and steel, Washington and Beethoven Sts. $175,000. Densmore, Le Clear & Robbins, Park Sq. Bldg., Boston, archts.

**Mass., West Roxbury** (Boston, P. O.)—School—Oct. 31, by Schoolhouse Dept., City Hall, Boston, Washington School, 2 story and basement, 40 x 135 ft., brick and stone. Germantown Dist. $150,000. Noted Sept. 25.

**Mass., Worcester**—Store and Apartment—J. Finelli, 1 Lyon St., taking bids 3 story and basement, 60 x 100 ft. and 50 x 60 ft., brick, Shewsbury St. $150,000. H. L. Meacham, 571 Main St., archt. Noted Oct. 9.

**R. I., Providence**—School—Church of the Assumption, c/o O'Malley-Fittzsimmons Co., archts., Providence, taking bids 2 story and basement, brick, plain foundation, Potter Ave., $150,000.

**Conn., Bridgeport** — Church — Building Com. United Congregational Church Society, taking bids 1 story and basement, brick and timber, State St. and Park Ave. $350,000. Allen & Collins, 75 Newbury St., Boston, Mass., archts. Noted June 19.

**N. Y., Central Islip**—Cottages—Nov. 12, by State Hospital Comn., Albany, 4 cottages at Central Islip State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Oct. 23.

**N. Y., Kings Park**—Hospital—Nov. 19, by State Hospital Comn., Albany, buildings at Soldiers and Sailors Memorial Hospital Division, Kings Park State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Oct. 23.

**N. Y., New York**—School—Nov. 11, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 72, Dewey Ave., also P. S. 68, Monticello Ave., here, for Bd. Educ., 500 Park Ave. Noted Oct. 16.

**Pa., Haverford**—Apartment—Oct. 28, by Lippincott & Schaef, archt., 11 South 16th St., Phila., 3 story and basement, 100 x 260 ft., brick and steel, plain foundation, here, for P. Beau, 605 Market St., Phila. $300,000.

**Pa., Oakmont** — School — Nov. 10, by W. G. Eckles, archt., New Castle and Bd. Educ., 2 story and basement, irregular school, Pennsylvania and 10th Sts. $250,000. Noted Sept. 4.

**Md., Woodstock** — College — Oct. 24, by Woodstock College, Society of Jesus, 4 story and basement, 47 x 107 ft. extension to east wing, 2 story and basement, 50 x 104 ft. chapel and auditorium, also 2 towers, 119 ft. high to support water tanks, granite and rein.-con., plain foundation. E. G. Perrot, 1211 Arch St., Philadelphia, Pa., archt. Noted Sept. 18.

**Mich., Ecorse**—School—Nov. 6, by A. J. Polk, 1020 Dime Bank Bldg., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, for Bd. Educ. Dist. 11, here. $170,000. Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., Detroit, archts.

**Ill., Marengo**—High School—Oct. 28, by Bd. Educ., and Peterson & Johnson, archts., Swedish-American Bank Bldg., Rockford, 3 story, rein.-con. and brick School. $150,000.

**Ill., Urbana**—Hall—Nov. 12, at office J. M. White, superv. archt., 256 Administration Bldg., West Residence Hall, on campus, for University of Illinois; adv. E. N.-R. Oct. 23.

**Wis., Milwaukee**—Apartment and Store—Oct. 27, by C. J. Keller & Son, archts., 432 Bway., 3 story and basement, 85 x 132 ft., brick and tile, plain foundation, State St., for I. H. Benesch Co., 513 Van Buren St. $150,000. Noted Oct. 2.

**Wis., Milwaukee**—Apartment and Store—Oct. 27, by M. Tullgren & Sons, 425 East Water St., taking bids 3 story and basement, 62 x 116 ft., brick and concrete, plain foundation, Maryland Ave., for M. Miller, 216 West Water St. $150,000. Noted Oct. 16.

**Minn., St. Paul**—School—Oct. 28, by Bd. Educ., R. S. Ferguson, comr., City Hall, 2 story and basement, rein.-con. and brick, Cleveland and University Aves. $150,000. F. X. Tewes, City Hall, archt.

**Neb., Omaha**—Bank—Nov. 15, by Kansas City Federal Reserve Bank, 10th and Grand Ave., Kansas City, Mo., 3 story and basement, 66 x 132 ft., rein.-con., brick, steel and stone, 17th and Dodge Sts., here. $250,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., archts. G. B. Prinz, 1037 Omaha Natl. Bank Bldg., archt.

**Mo., Greenville — Court** — Nov. 15, by Clerk Wayne Co., 3 story and basement, brick, stone and concrete. M. Laubis, Poplar Bluff, archt.

**Ark., Paragould**—High School—Nov. 15, by Bd. Educ., 2 story and basement, rein.-con., brick and stone. $160,000. Mann & Stearns, A. O. U. W. Bldg., Little Rock, archts. Noted Oct. 23.

**Tex., Lubbock**—Home Economics, etc.—Oct. 28, by Bd. Regents Texas Technological College at office A. G. Carter, chn., Ft. Worth, home economics building, power plant, etc. Sanguinett, Staats & Hedrick, 1st Natl. Bank Bldg., Ft. Worth, archts. and engrs.

**Calif., Los Angeles**—Church—Allison & Allison, archts., Hibernian Bldg., taking bids, rein.-con. church, Plymouth Ave., for Wilshire Congregational Church, $200,000. Noted June 19.

**Calif., Los Angeles**—Office and Theatre—Nov. 7, by G. A. Landsburgh, archt., 700 Hillstreet Bldg., 6 story, 130 x 180 ft., terra cotta and stone, plain foundation, Hollywood Blvd., for C. E. Taberman Co., 6763 Hollywood Blvd. $1,200,000.

## BIDS RECEIVED

**Mass., East Boston** (Boston P. O.)—High School—School House Dept., City Hall, Boston; 3 story and basement, 160 x 225 ft., rein.-con. and brick, White St., here, from A. Piotti Co., 708 Dudley St., Roxbury, $1,105,870. Noted Oct. 9.

**Mass., Lynn**—School—School Comn., 4 and 5 story, 55 x 125 ft., and 85 x 165 ft., brick and stone, Liberty and Essex Sts., from C. H. Cunningham & Sons, 23 Central St., $390,000; heating system from T. J. Duff & Co., Inc., 33 East Dedham St., Boston, $40,712. Noted Oct. 2.

**O., Cleveland** — Fire Station and Signal Headquarters—E. D. Barry, dir. Pub. Safety, City Hall, 2 story and basement, 30 x 92 x 96 x 119 ft., brick, steel and concrete, Central Ave., from Natl. Concrete Fireproofing Co., Union Mortgage Bldg., $184,005. Noted Oct. 2.

**Mich., Detroit**—School—C. A. Gadd, bus. mgr. Bd. Educ. 1354 Bway., general contract, 3 story and basement, 70 x 392 ft. and 77 x 179 ft. school and 2 story and basement, 59 x 65 ft. power house, rein.-con. brick and steel, plain foundation, Tuxedo Ave., from Copper Widenmann Constr. Co., 4612 Woodward Ave., for Roosevelt School group. $703,500; electrical equipment, from Turner Eng. Co., 452 West Larned St., $79,227; boilers, etc., from Phoenix Sprinkler Heating Co., 515 Rammond Bldg., $148,653. Noted Oct. 2.

**Minn., Minneapolis**—School—Bd. Educ. Oct. 10, general contract, 3 story and basement, rein.-con., brick and stone, 49th St. and Wentworth Ave., from Fleisher Constr. Co., 1000 Builders Exch. Bldg., and Louis Fleisher Co., 505 Plymouth Bldg., each $426,800. Noted Sept. 25.

**Minn., St. Paul**—School—Dept. Educ., general contract 3 story and basement, rein.-con., brick, tile and stone, Marion and Gaultier Sts., from A. Guthrie & Co., 366 Jackson St., $262,000. Noted Oct. 2.

**Okla., Tulsa**—School—Bd. Educ., general contract 2 story and basement, rein.-con. and brick, incl. manual training shop, etc., from R. M. Gillilan, 207 Lynch Bldg., Tulsa, $144,729. Noted March 6.

**Calif., Los Angeles**—Library—City, Oct. 8, 4 story, 200 x 325 ft., rein.-con., plain foundation, 5th St. and Grand Ave., from Weymouth-Crowell Co., 2104 East 15th St., $1,298,000. Noted Oct. 9.

## CONTRACTS AWARDED

**Mass., Allston** (Boston P. O.)—Garages—Meyer & Rosenberg, 1437 Commonwealth Ave., eighty 1 story, brick and stone garages, Colon and Buckminster Sts., to White Constr. Co., 2 Bradshaw St., Dorchester. Archts. est. $160,000. Noted Oct. 2.

**Mass., Arlington** — Temple — Owner, c/o C. B. Dunham, archt., 6 Beacon St., Boston, 2 story and basement, 75 x 115 ft., brick, Academy St., to Holt-Fairchild Co., 7 Water St. Archts. est. $150,000. Noted Sept. 25.

**Mass., Boston**—Office—Otis Elevator Co. 34 India St., 3 story, 85 x 100 ft., brick, Clarendon and Stanhope Sts., to Stone & Webster, Milk St. Engrs. est. exceeds $150,000. Noted Oct. 2.

**Mass., Cambridge** (Boston P. O.)—Storage—Simplex Wire & Cable Co., 201 Devonshire St., Boston, 1 story, 40 ft. high, steel, tile and stucco, Pacific St., to Stone & Webster, Milk St., Boston. $225,000, approximately.

**Mass., Fall River**—School—Pub. Building Dept., City Hall, general contract school, Laurel St., to Carey Quarry & Constr. Co., 56 North Main St., $124,467.

**Mass., Haverhill**—Convent and Rectory—St. Josephs Roman Catholic Church, 3 story and basement, brick and limestone, Blaisdeel St. and Bellevue Ave., to Z. A. Houle, Dracut. Archts. est. $150,000. Noted Oct. 9.

**Mass., New Bedford** — Exchange—New England Telephone & Telegraph Co., 3 story and basement, brick and stone, 2nd and Dover Sts., to G. Howard & Sons Co., 888 Purchase St., New Bedford. Noted Oct. 2.

**Mass., Randolph**—High School—Schoolhouse Comn., rebuilding and remodeling Stetson High School, 2 story and basement, 58 x 88 ft. brick (second class construction), Main St., to W. Hanson, 567 Pleasant St., Brockton. Noted Oct. 2.

**R. I., Cumberland** (mail Manville)—Monastery—Our Lady of the Valley Roman Catholic Church 1 story, 65 x 158 ft., brick and stone, plain foundation, Diamond Hill Rd., to J. A. Savoile, 643 Park Ave., Woonsocket. Archts. est. $200,000. Noted Sept. 18.

**Conn., Greensfarms** — School — School Dept., 2 story and basement, 70 x 116 ft., brick, plain foundation, to E. F. Constr. Co., 78 Wells St., Bridgeport. Archts. est. $150,000. Noted Oct. 16.

**Conn., Norwich** — School — Bd. Educ., brick, steel and stone school to W. S. Spencer, Carroll Ave., and Bway.; heating and ventilating to Steinke Co., 103 Park Ave., New York City. Noted Sept. 25.

**N. Y., Buffalo**—Home—Sisters of Good Shepherd, 485 Best St., 3 story, 64 x 101 ft. home addition, to Boehm Bros., 245 Colorado Ave., $150,000.

**N. Y., New York**—Apartment—P. J. Dwyer, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, West 13th St. and 7th Ave., by day labor. $150,000.

**N. Y., New York**—Apartment—Hudson Builders, Inc., c/o Springsteen & Goldhammer, archt. and engr., 32 Union Sq., will build two 6 story, brick, steel and stone, plain foundations, Vermilyea Ave., by day labor, $350,000 each.

**N. Y., New York** — Warehouse — F. E. Hahn archt., 1112 Chestnut St., Phila., 6 story, 153 x 206 ft. on 1st floor and 110 x 206 ft. upper floors rein.-con. and brick, plain foundation, Willow Ave. for A. Finkenbergs Sons, 124th St. and 3rd Ave., to Barney-Ahlers Constr. Co., 110 West 40th St.

**N. J., Atlantic City** — Hotel — W. M. Stanton & S. P. Stewart, archts., 1524 Chestnut St., Phila., Pa., 7 story, 40 x 90 ft., brick and steel addition, South Carolina Ave., here, to S. D. Headley, Guarantee Trust Bldg., for Hotel Iroquois. Noted Oct. 2.

**N. J., Long Branch**—Hotel—Community Hotel Corp., 6 story, brick, steel and stone, plain foundation, 5th Ave. and Bway., to Cauldwell-Wingate Corp., 381 4th Ave., New York City. Archts. est. $310,000.

**Pa., Norristown**—Bank and Office—Norristown-Penn Trust Co., 1 West Main St., 5 story and basement, 65 x 131 ft., granite and steel, plain foundation, Main and Swede Sts., to F. V. Warren Co., 1913 Arch St., Phila. $60,000. Noted Sept. 18.

**Pa., Phila.**—Apartment—Pelham Terrace Apartments, c/o E. Hutchinson, Jr., 9 story and basement, 96 x 132 ft., brick and steel, plain foundation, Emlen and Carpenter Sts., to Boyle Robertson Constr. Co., Evans Bldg., Wash., D. C.

**Pa., Phila.**—Hospital—P. H. Johnson, 1713 Sansom St., archts., 3 story and basement, 44 x 59 ft. refractory, two 2 story and basement, 25 x 43 ft. dormitories, 2 story and basement, 25 x 45 ft., 2 story, 27 x 34 ft., and 2 story 25 x 41 ft. wings, 3 story and basement, 42 x 126 ft. administration building on Roosevelt Ave. adjacent to Pennpack Park, to A. R. Roff Co., 1620 Thompson St., for Penna Mystic Shrine, c/o W. Freeland Kendrick, 1337 Spring Garden St. Archts. est. $750,000. Noted Sept. 11.

**Pa., Phila.**—Warehouse and Garage—A. Finkenbergs Sons, 2279 3rd Ave., New York City, 6 story, 110 x 200 rein.-con. and brick, plain foundation, Willow Ave., here, to Barney-Ahlers Constr. Co., 110 West 40th St., New York City. Archts. est. $350,000.

**Pa., Washington** — Bank — Washington Trust Co., general contract 6 story, 30 x 60 ft. addition, to Kelly & Kelly, New York City. Archts. est. $150,000. Noted Oct. 9.

**Pa., Williamsport**—Hospital—H. Mosser, chn. Building Com. Williamsport Hospital, 528 West 4th St., 7 story and basement, 45 x 184 ft., brick and steel, plain foundation, Rural Ave. and Spruce St., to J. Gehern, Williamsport. Noted Aug. 21.

**Md., Baltimore**—Home—G. R. Callis, Jr., archt., Hearst Tower, 7 story and basement, 150 x 183 ft., brick and plain foundation, Cathedral and Madison Sts., to Frainie Bros. & Haigley, 19 West Franklin

Buildings—Commercial (Continued)

St., for Knights of Columbus, 712 Cathedral St. $750,000.

**N. C., Raleigh** — Dormitories, etc. — Meredith Baptist College, 4 dormitories, administration building library, dining room and kitchen, brick and limestone, to J. E. Beaman, Old Odd Fellows Bldg., $1,000,000.

**O., Cleveland**—Convent and Chapel—Sisters of St. Joseph, c/o Sister Klatilda, 6700 Lansing Ave., 3 story and basement, 80 x 300 ft., brick, steel and concrete, Turney Rd., to J. Grant & Son, 4500 Euclid Ave. Archts. est. $500,000.

**Mich., Detroit** — Warehouse — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 9 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Jefferson Ave., to W. E. Wood Co., 1805 Ford Bldg., for Burnham Stoepel Co., 101 East Larned St. Noted Sept. 18.

**Mich., Kalamazoo** — Dormitory — Kalamazoo College, 3 story and basement, 93 x 102 ft., rein.-con., brick, steel and stone, plain foundation, Academy St., to H. L. Vanderhorst, Kalamazoo. Archts. est. $150,000.

**Mich., Wakefield** — High School — Bd. Educ., 2 story and basement, brick and tile, plain foundation, to A. Rosemurgy, Bessmer, $161,591.

**Ill., Highland Park** — Auditorium — Bd. Educ., 1 and 2 story, brick and concrete, Elm St., to C. E. Anderson, 306 South Wabash Ave., Chicago. Archts. est. $225,000.

**Wis., Milwaukee**—Apartment—Chain Investment Co., c/o Rosman & Wierdsma, archts., 490 Bway., 6 story and basement, 80 x 150 ft., brick and concrete, plain foundation, Grand Ave., to Reisinger & Co., 466 Oakland Ave. Archts. est. $360,000.

**Wis., Milwaukee** — Apartment — E. G. Schroeder Co., archts., 405 Bway., 3 story and basement, 52 x 100 ft., brick and tile, plain foundation, 24th St., to Kohl & Keating, 428 Grand Ave., for West Side Apartment Co., c/o Archts. Engineers est. $150,000. Noted Oct. 9.

**Wis., Milwaukee** — Church and Parish House — English Lutheran Church of Resurrection, c/o L. Steckel, pastor, 2608 Auer Ave., 2 story and basement, 80 x 100 ft., brick and tile, plain foundation, 26th St., to T. Stark & Co., 130 Muskego Ave. Archts. est. $150,000. Noted July 31.

**Ia., Des Moines**—School—General contract Washington Irving Junior High School, to J. E. Loveoy, 1006 Mulberry St., $379,376; heating and plumbing, to Amer. Plumbing & Heating Co., 324 Equitable Bldg., $97,599. Noted Sept. 11.

**Ia., Waterloo** — Club — Local Lodge of Elks, 2½ story and basement, 48 x 90 ft., brick, concrete and stone, Mulberry and East Park Sts., to Currie Constr. Co., Waterloo. Archts. est. $175,000. Noted Oct. 2.

**Minn., St. Paul**—School—Dept. Educ., general contract 3 story and basement, rein.-con., brick, tile and stone, Marion and Gaultier Sts., to A. C. Thomas-Guthrie Constr. Co., 366 Jackson St., $262,000. Noted Oct. 2.

**Minn., St. Paul**—Schools—Bd. Educ., L. R. S. Ferguson, comr., general contract 3 story and basement, 109 x 179 ft. and 3 story and basement, 129 x 238 ft., both rein.-con., brick and stone, Laurel Ave. and Mackubin St., to E. Bjorklund, 485 Endicott Bldg., St. Paul, $456,420. Noted Oct. 2.

**Kan., Pittsburg** — Hospital — Amer. Protestant Hospital, c/o W. V. Hartman, 412½ North Bway., will build 2 and 3 story, 37 x 89 x 200 ft., brick, concrete and steel, by day labor. $150,000. Private plans.

**Kan., Topeka**—Office—Natl. Reserve Life Insurance Co., 811 Kansas Ave., general contract 10 story and basement, 75 x 100 ft., rein.-con., brick, steel and stone, Kansas and 10th Sts., to J. M. Leeper, 7th and Holliday Sts., Topeka. Noted Sept. 25.

**Mo., Kansas City**—Office—Clark Estate Co., 3312 Bway., brick, stone and steel, plain foundation, to Reyburn Eng. & Constr. Co., 609 Waldheim Bldg. $750,000. Noted Oct. 2.

**Mo., St. Louis**—Office and Exchange—Southern Bell Telephone Co., Bway. and Locust St., 28 story and basement, rein.-con., brick, stone, terra cotta and steel, Pine, 10th, Chestnut and 11th Sts., to Westlake Constr. Co., Ry. Exch. Bldg. Archts. est. $5,000,000. Noted Oct. 16.

**Mo., St. Louis**—Theatre and Stores—F. Wehrenberg, 3114 Illinois Ave., 3 story and basement, rein.-con., brick and stone, Grand Blvd., to F. Voirol, 128 West Koeln St. $200,000. Noted Feb. 21.

**Tex., Abilene**—Store and Office—J. M. Radford, Radford Bldg., 3 story and basement, 100 x 135 ft., rein.-con. and brick, plain foundation, to J. M. Reddick, Ft. Smith, Ark., $174,800. Noted Oct. 2.

**Tex., Port Arthur**—Office and Store—J. R. Adams c/o H. C. Mauer, archt., 750 Spruce St., Beaumont, general contract 7 story, 148 x 150 ft., rein.-con., to Jefferson Constr. Co., 823 Poydras St., New Orleans, La. Noted Aug. 14.

**Okla., Tulsa**—School—Bd. Educ., general contract 1 story and basement, brick stone and concrete, to R. M. Gillilan, 213 Lynch Bldg., $144,729; heating and plumbing, to Watt Plumbing & Heating Co., 610 South Cincinnati St., $61,000. Noted Mar. 6.

**Wash., Seattle** — Office — H. Bittman, archt., Securities Bldg., 5 story, 100 x 120 ft., concrete and steel, 1519 Railroad Ave., to Albertson, Cornell Bros. & Walsh, 1113½ A. Main St., Tacoma, for Pacific Steamship Co., L. C. Smith Bldg. Engrs. est. $150,000.

**Calif., Glendale**—Hotel, Apartments and Store—Hotel Glendale, Inc., 6 story and basement, Class "A," rein.-con., Glendale Ave., to Kinne & Westerhouse, H. W. Hellman Bldg., Los Angeles, $300,000.

**Calif., Inglewood**—Fine Arts—Inglewood Union High School Dist., general contract 2 story and basement, brick, to Orndoff & Gow, Inc., 351 North Western Ave., Los Angeles, $115,600.

**Calif., Inglewood** — Hotel and Store — H. N. Longfellow, 515 East Irvington St., Huntington Park, 3 story, 100 x 125 ft., brick, East Queen St., to Whipple & McDonald, 251 South Pacific Blvd., $150,000.

**Calif., Los Angeles**—Bank and Store—H. H. Helbush, Bank of Italy Bldg., will build 1 story, (ultimately 2 story), 150 x 150 ft., brick and steel, 4th and Washington Sts., by day labor.

**Calif., Los Angeles** — Club — Curlett & Beelman, archts., 408 Union Bank Bldg., 12 story and basement, 150 x 262 ft., rein.-con., stucco and cast stone, 6th St. and Parkview Ave., to Scofield Qonstr. Co., Pacific Finance Bldg., for Los Angeles Lodge 69, B. P. O. E. $1,500,000. Noted Aug. 28.

**Calif., Los Angeles**—Garage and Office—H. P. Rehbein, 7038½ Hollywood Blvd., 3 and 5 story, 150 x 180 ft., rein.-con., Sycamore St. to C. Thoren, 6764 Hawthorne Ave. $400,000. Noted Oct. 9.

**Calif., Los Angeles** — Hospital and Nurses Home — Methodist Hospital of Southern California, 4 story and basement, 80 x 136 ft., brick home and 5 story and basement, 37 x 163 ft., rein.-con. hospital, Hope St., to J. C. Bannister, 6331 Hollywood Blvd., $273,193. Noted Oct. 16.

**Calif., Los Angeles**—Office and Bank—Hellman Commercial Trust & Saving Bank, 6th and Main Sts., 13 story, 68 x 140 ft., rein.-con., plain foundation, Hollywood Blvd. and Cherokee Ave., to Scofield Eng. Co., 6th and Olive Sts., $1,500,000.

**Calif., Los Angeles** — Warehouse and Service Plant—Mack International Motor Truck Co., 1628 East 7th St., 1 story, 135 x 900 ft., brick and 2 story, 250 x 300 ft. rein.-con., Long Beach Ave., 21st and Alandale Sts., to Davidson Constr. Co., 1445 East 16th St., $377,990. Noted Aug. 28.

**Calif., Oakland**—Church—First Congregational Church, constructing church, 26th and Harrison Sts., to Clinton Constr. Co., 923 Folsom St., San Francisco, $289,960.

**Calif., Pasadena**—Theatre—J. W. Hickmore, 46 South Roosevelt St., brick theatre, Colorado St., to J. W. Woolworth & Son, 200 East Colorado St., $151,000.

**Calif., San Francisco**—Hotel—Clift Hotel, Geary and Taylor Sts., steel work, for 13 story and basement hotel annex, Geary and Taylor Sts., to Dyer Bros., 17th and Kansas Sts. Architects total est. $1,500,000.

**Calif., Santa Monica**—Office and Store—F. H. Webster, 6427 Hollywood Blvd., 3 story, 100 x 100 ft. and 8 story, 46 x 46 ft., rein.-con. and terra cotta, Santa Monica Blvd., to Western States Constr. Co., 726 Santa Monica Blvd., Los Angeles, $200,000.

**Ont., Cochrane**—Court House—Dept. Pub. Wks., Parliament Bldg., Toronto, 2 story and basement, 60 x 80 ft., rein.-con., brick and steel, plain foundation, general contract to A. R. Holmes Ltd., 6 Hayden St. Archts. est. $175,000.

# Federal Government Work

## BIDS DESIRED

**Vt., Burlington**—Breakwater—Nov. 24, by U. S. Engineer Office, 710 Army Bldg., 39 Whitehall Bldg., New York City, repairing breakwater, here; adv. E. N.-R. Oct. 23.

**N. J., Camden**—Extension—Nov. 7, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending lookout system, etc., in Post Office and Custom House, here.

**Md., Frederick**—Addition—Nov. 6, by Treas. Dept. at office Supervising Archt., Wash., D. C., addition to mailing vestibule at Post Office, here; adv. E. N.-R. Oct. 23.

**Miss., Gulfport**—Storehouse—Nov. 11, by U. S. Veterans Bureau, 791 Arlington Bldg., Wash., D. C., 1 story, concrete, tile and stucco storehouse for U. S. Veterans Hospital 74, here.

**Miss., Vicksburg**—Nov. 6, by Third Mississippi River Dist., P. O. Box 404, constructing 190,000 cu.yd. levee work; adv. E. N.-R. Oct. 23.

**Ind., Terre Haute**—Extension—Oct. 27, by Treas. Dept. at office Supervising Archt., Wash., D. C., extension and improvements, etc., to Post Office, here.

## BIDS RECEIVED

**Mass., Boston**—Roof—Spec. 5013—Bureau Yards & Docks, Navy Dept., Wash., D. C., roof on foundry building, here, from F. J. Low & Co., 77 Summer St., (1) $38,800 (2) $33,300 (3) $9,000 (4) $8,000 add $2,100, add $1,600.

**Pa., Phila.** — Boiler House — Quartermaster Depot, 21st and Oregon Sts., 1 story and basement, 42 x 53 ft., brick and steel, plain foundation, Oregon Ave., from B. P. Lientz Co., 511 West 54th St., New York City, $25,598.

## CONTRACTS AWARDED

**Mass., Northampton** — Walks — U. S. Veterans Hospital, Room 791 Arlington Bldg., Wash., D. C., covered walks at Veterans Hospital 95, here, to Schiari & Yates, Tupper Lake, $88,235. Noted Oct. 16.

**Mass., Weymouth**—Dredging—U. S. Engineer Office, Custom House, Boston, dredging in Fore River, here, to E. Breymann, Winthrop, $0.28⅞ per cu.yd. Noted Oct. 2.

**R. I., Providence**—Dredging—U. S. Engineers Office, dredging in Bridgeport Harbor, Conn., to Columbia Dredge Co., 30 Church St., New York City, $15,464. Noted Sept. 4.

**N. Y., New York**—Dredging—U. S. Engineer Office, Army Bldg., 39 Whitehall St., dredging and rock removal in East River, to Arundel Corp., Pratt St., Baltimore, Md., $615,846. Noted Sept. 11.

**N. Y., New York**—Underground Passage—Treas. Dept. at office Supervising Archt., Wash., D. C., new underground passage at U. S. Assay Office Sub-Treasury, here, to Edwards & Flood, 26 Court St., Brooklyn, $17,772. Noted Sept. 25.

**Pa., Phila.**—Dredging—Spec. 5018—U. S. Engineer Office, War Dept., Wash., D. C., dredging in harbor, here, to Amer. Dredging Co., 308 Chestnut St., $0.36 per cu.yd., total $25,000. Noted Oct. 16.

**D. C., Wash.**—Boiler Plant Improvement—Lt. Col. C. C. Sherill, U. S. Army, Supt. Buildings, 1036 Navy Bldg., boiler plant improvements in Navy Building, to C. P. Lientz, 511 54th St., New York City, $26,430.

**Va., Quantico** — Sewer — Spec. 4997 — Bureau Yards & Docks, Navy Dept., Wash., D. C., sewer in marine flying field, to Potomac Constr. Co., 229 9th St., Wash., D. C., $2,270 (90 days).

**Fla., Jacksonville** — Dredge Tenders — U. S. Engineer Office, 2 motor dredge tenders, to J. Olson & Son, Arlington, $11,400. Noted Aug. 14.

**Ala., Florence**—Cement—P. T. Samuels, chief supply div., furnishing 30,000 bbl. cement to Lehigh Portland Cement Co., Woodward Bldg., Birmingham, $66,900, 20,000 bbl. to Atlas Portland Cement Co., Brown Marx Bldg., Birmingham, $67,500.

**Miss., Vicksburg**—Levee—Third Mississippi River Dist., P. O. Box 404, 200,000 cu.yd. levee work, to Elkas, Weather & Burt, Greenville, $0.398 per cu.yd. Noted Oct. 2.

**Ky., Louisville**—Concrete Mixers—U. S. Engineer Office, furnishing concrete mixer to Brandeis Mchy. & Supply Co., Louisville $2,789, 6 buckets to Union Iron Wks., Louisville, $2,298.

**O., Steubenville** — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 2 story post office, here, to Murch Bros. Constr. Co., 611 Olive St., St. Louis, Mo., $162,174. Noted Oct. 16.

**Ia., Cherokee**—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, to J. H. Olsen, 316 5th St. W., Willmar, Minn. Noted Oct. 16.

**Wis., Milwaukee** — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., addition to post office, here, to Garber & Cissel, Bethlehem, Pa., $16,700.

**Texas**—Dredging—U. S. Engineer office, Galveston, dredging channel from Port Aransas to Corpus Christi, 9,000,000 cu. yd. excav., to Atlantic, Gulf & Pacific Co., Corpus Christi, $750,000. Noted July 3.

Federal Government Work (Continued)

**Tex., Pittsburg** — Post Office — **Treas.** Dept. at office Supervising Archt., Wash., D. C., 1 story and basement post office, here, to Virginia Eng. Co., 322 28th St., Newport News, Va., $39,871. Noted Sept. 11.

**Calif., San Diego**—Bulkhead—Spec. 5032—Bureau Yards & Docks, Navy Dept., Wash., D. C., replacement of bulkhead, here, to F. W. Steffgen, 221 Spreckles Bldg., $5,687 (90 days).

### FEDERAL POWER COMMISSION

Applications for licenses and permits

#### APPLICATIONS

524—A. E. Humphreys, J. H. and M. E. Ratliff, 1130 First Natl. Bank Bldg., Denver, Colo.—Wants preliminary permit for 160 ft. arch dam developing 60,000 hp. on Green River at Split Mountain Canyon, Uintah Co., Utah.

525—Pacific Gas & Electric Co. 445 Sutter St., San Francisco, Calif.—Wants license for power plant in Alpine, Amador and Calaveras Counties.

526—Peoples Hydro-Electric Power Co., P. O. Box 1375, Birmingham, Ala.—Wants preliminary permit for power project at Lock 2 on Coosa River, near Gadsden, Jefferson Co.

527—Ventura Power Co., Wilmington, Del.—Wants preliminary permit for 200 ft concrete multiple arch type dam at junction of Buck and Piru Creeks, and 210 ft. dam same type on Piru Creek near junction with Los Alamos Creek, Ventura and Los Angeles Counties.

528—Sovereign Comet Gold Mining Co., Downieville, Calif. — Wants license for small diversion dam on Jim Crow Creek near here, Sierra Co.

529—Oregon—California Hydro Electric Co., Portland, Ore.—Wants preliminary permit for diversion dam on Sandy River near Portland, Oregon City and Casadero Clackamas Co.

530—Thompson Power Co., c/o Mann & Mann, 56 Wall St., New York, N. Y.—Wants preliminary permit for power project on Hiawassee River, etc., in Polk Co. near Reliance, Tenn., and Cherokee Co. near Appalachia, N. C.

531—Kay Development Co. Inc., Kay, Idaho—Wants license for 3⅜ mi. transmission line near Mackay in Lemhi Natl. Forest, Custer Co., Idaho.

532 — Nevada-California Power Co., Riverside, Calif.—Wants license for 21.85 mi. transmission line, near Mono Lake Post Office and Bridgeport, in Mono Natl. Forest, Mono Co., Calif.

534—Cynide Gold Mining Co., Ltd., Bonners Ferry, Idaho—Wants license for 45 ft. dam with power house in Moyie Rover 3 mi. south of Meadow Creek, Boundary Co.

535—Central Caroline Power Co., Columbia, S. C.—Wants preliminary permits for 32 ft. dam in Broad River at Frosts Shoals, and 34 ft. dam at mouth of Little River, in Richland, Fairfield and Lexington Counties.

536—South Carolina Power Co., Columbia, S. C.—Wants preliminary permit for 120 ft. dam in Saluda River at Drehers Shoals, about 12 mi. above Columbia, Lexington Co.

537—Louisville Hydro Electric Co., Louisville, Ky.—Wants preliminary permit for 100 ft. dam in Green River, near Mammoth Cave, Edmonson and Hart Counties.

539 — Kentucky Hydro Electric Co., Louisville, Ky.—Wants preliminary permit for power plants at Locks 1-7 inclusive, in Kentucky River, in Henry, Owen, Carroll, Franklin, Anderson, Woodford, Mercer, Fayette, Jessamine and Garrard Counties.

540—Kentucky Hydro Electric Co., Louisville, Ky.—Wants preliminary permit for power plants at Locks 8-14 inclusive in Kentucky River, in Madison, Jessamine, Clark, Estill and Lee Counties.

541 — Southern Colorado Power Co., Pueblo, Col.—Wants preliminary permit power project consisting 2 units in Grape Creek, Fremont and Center Counties.

542—Central Power Co., Albemarle, S. C.—Wants preliminary permit for diversion dams and power project in New and Reddies Rivers, in Wilkes, Ash and Allegheny Counties, N. C. and in Greyson Co., Va.

## Unclassified

#### PROPOSED WORK

**Grain Elevator—Buffalo, N. Y.**—F. W. Riddell, genl. mgr. Saskatchewan Co-operative Elevator Co., Ltd., Regina, Sask., plans 1,100,000 bu. grain elevator, here. $800,000. C. D. Howe, Regina, Sask., engr.

**Waterproofing Tunnel—Trenton, N. J.**—Bd. Freeholders Mercer Co. plans waterproofing tunnel at Cadwalader Park where Delaware and Raritan Canal crosses Parkside Ave. $25,000. H. F. Harris, Court House, engr.

**Car Barn, etc.—Pittsburgh, Pa.**—Pittsburgh Rys. Co., 435 6th Ave., plans 1 story, 156 x 231 ft., car barn and shop addition, 2nd Ave. Private plans.

**Heating and Ventilating—Baltimore, Md.**—Mayor and City Council, City Hall, rejected bids Oct. 1, heating and ventilating in school and gymnasium addition, Pimlico Rd. and Thorndale Ave. Noted Oct. 9.

**Elimination of Grade Crossing — Chattanooga, Tenn.** — Southern R.R. Co., 4th and Sycamore Sts., Cincinnati, O., & Nashville, Chattanooga & St. Louis R.R. Co., 1000 Broad St., Nashville, plan eliminating grade crossing at 11th Ave., here. J. B. Akers, ch. engr. former, and H. McDonald, ch. engr. latter railroad.

**Stock Pavilion, etc.—Nashville, Tenn.**—Davidson Co. Bd. Trustees, having plans prepared by Marr & Holman, Stahlman Bldg., stock pavilion and other buildings for State Fair grounds. $250,000. Noted Oct. 16.

**Stadium—Appleton, Wis.**—Lawrence College, c/o S. Plantz, pres., 545 Union St., plans rein.-con. stadium, 15,000 seating capacity. $50,000. Engineer not selected.

**Power and Lighting System—Platteville, Wis.**—Interstate Power Co., c/o E. J. Smith, mgr., plans addition to power system and extending transmission line. $40,000. Engineer not selected.

**Street Lighting System—St. Louis, Mo.**—Making preliminary plans 13 mi. new street lighting units, 44 concrete, standards, lights, etc., to each mi. $100,000. R. Toensfeldt, City Hall, engr.

**Swimming Pool — San Antonio, Tex.** — City making plans rein.-con. swimming pool, west side, near Woodlawn Lake. I. Ewig, city engr.

**Fire Alarm System, Fire Station and Equipment—Long Beach, Calif.**—Plans to vote approximately $650,000 bonds for fire alarm system, fire station and equipment.

**Dock—San Francisco, Calif.**—State Bd. Harbor Comrs., Ferry Bldg., making plans 650 ft. concrete and timber dock, 385 ft. wide, at Mission Rock, $1,000,000. State to furnish track material, piles and cement. F. G. White, Ferry Bldg., engr.

**Retaining Wall and Wharf—San Francisco, Calif.**—See "Excavation, Drainage, Irrigation, Levees."

**Hydro Electric System—Grimsby, Ont.**—Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans electric system and substation, here. $30,000-$60,000. F. A. Gaky, ch. engr.

**Power Development—Kapuskasing, Ont.**—Spruce Falls Pulp & Paper Co., plans developing hydro-electric power plant and pulp mill at Smoky Falls on Mattagami River, 80 ft. head, 50,000 hp. concrete power house, dams, pumps, turbines, generators, etc. and 500 ton pulp mill. Surveys being made for 25 mi. railway spur from Mile 68 north of Cochrane on Temiskaming & Northern Ontario R.R. to Smoky Falls. Private plans. $5,000,000 to $8,000,000.

**Drilling Wells—Petrolea, Ont.**—W. W. McRae, plans drilling 20 wells, $40,000.

#### BIDS DESIRED

**Tunnel—Boston Mass.**—Nov. 25, by Transit Dept., 1 Beacon St., Sect. K, Dorchester Tunnel, 1,300 ft. rein.-con. and structural steel tunnel near Dorchester Ave., Boston and Power Sts. E. F. Condon, secy.; adv. E. N.-R. Oct. 23.

**Bulkhead—Pleasure Beach** (Bridgeport P. O.), **Conn.** — Oct. 31, at office B. F. Cooney, clk. Park Bd., 715 Security Bldg., Bridgeport, for bulkhead, here; adv. E. N.-R. Oct. 23.

**Bulkhead — Santa Ana, Calif.** — See "Bridges."

**Grain Conveyor Galleries—St. John, N. B.**—Oct. 30, by S. E. O'Brien, secy Dept. Pub. Wks., Ottawa, Ont., grain conveyor galleries at Berth 16, St. John Harbor, here. To exceed $25,000.

#### BIDS RECEIVED

**Subway—Brooklyn, N. Y.**—Transportation Bd., 49 Lafayette St., New York, constructing part of 14th St. eastern Rapid Transit R.R., Sect. 6-C, Route 8 under Harrison Ave., and Sect. 6-D, Route 8, subsurface railroad under Wyckoff Ave., from Oakdale Constr. Co., Harrin and East Aves., Long Island City, $3,595,000 and $3,203,000 respectively.

**Subway Repair—New York**—Transportation Bd., 49 Lafayette St., grouting leaks in Bway.-4th Ave. Rapid Transit R.R. at Lexington Ave. and 60th St., Agreement "DM," from M. D. Walsh, 1124 Finlay Ave., $5,938. Noted Oct. 9.

**Borings—Jersey City, N. J.**—State Hy. Dept., Trenton, 2,500 ft. borings for Hudson River Vehicular Tunnel, here, from Giles Drilling Co., Division St., Perth Amboy, $7,287. Noted Oct. 9.

**Transmission Line — Louisiana** — Lake Charles Electric Co., Inc., Lake Charles, will build 12 mi. 3 phase, 13,000 volt transmission line from Lake Charles to oil fields and extension to Sulphur, by day labor. T. H. Mandell, Lake Charles, engr.

#### CONTRACTS AWARDED

**Riprap—Hadley, Mass.**—Dept. Pub. Wks., State House, Boston, about 4,000 ton riprap on south bank of Connecticut River, here, to C. I. Hosmer, Turners Falls, $2.95 per ton. Noted Oct. 16.

**Subway—New York, N. Y.**—Bd. Transportation, 49 Lafayette St., widening roadway Lexington Ave., Agreement D. J., to Contractors Service Corp., 226 Jackson St., Brooklyn, $72,304. Noted Oct. 16.

**Seawall—Tampa, Fla.**—Hillsborough Co., construction 2.5 mi. rein.-con. seawall to McGucken & Edwards, 204 Nebraska Ave., $271,075. Noted Oct. 2.

**Heating and Plumbing—Des Moines, Ia.**—See "Buildings—Commercial."

**Heating and Ventilating—Tulsa, Okla.**—See "Buildings—Commercial."

**Ornamental Street Lighting — Los Angeles, Calif.**—For 193 ornamental posts on Grand Ave. et al, to Newberry Electric Corp., 726 South Olive St., $85,797.

**Wharf — Grondines, Que.** — Dept. Pub. Wks., Ottawa, concrete superstructure to present wharf, etc., to G. and I. Poliquin, Portneuf, $38,405. Engrs. est. $35,000. Noted Sept. 11.

## Material and Equipment

#### PROPOSED WORK

**Crane and Hoist—Kearney, Neb.** — Soon takes new bids one 6 ton crane, hoist and trolley, crane geared end trucks and tracks. $1,750. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engr.

**Steel Rails — St. Louis, Mo.** — Wabash R.R., Railway Exch. Bldg., soon takes bids 15,000 tons 90 lb. A. R. A. steel rails.

**Slurry Tanks—San Antonio, Tex.**—San Antonio Portland Cement Co., Lakeview Ave., soon takes bids 10 rein.-con. slurry tanks, 20 ft. diameter, 40 ft. high. $75,000. W. E. Simpson Co., Natl. Bank Commerce Bldg., engrs.

**Concrete Mixer—Compton, Calif.**—Plans to purchase concrete mixer for use of street and water depts.

**Rock—Long Beach Calif.** — Soon takes bids for 200,000 cu.yd. rock for extension of jetty from western side. C. H. Windham, City Hall, engr.

**Pipe—Monrovia, Calif.**—Plans to purchase 11,000 ft. 6, 8 and 10 in. pipe. L. P. Black, city clk.

**Tractor—Orange, Calif.**—Plans to purchase one wheel type, 10 to 20 hp. tractor, solid rubber tires, chain hooks, skid chains and extra wheel weights. C. D. Lester, city clk.

#### BIDS DESIRED

**Concrete Mixer — Hopkinton, Mass.** — F. Logan in market for 5 to 10 cu.ft., capacity concrete mixer with or without engine.

**Crane—Pittsburgh, Pa.**—Duquesne Light Co., Chamber of Commerce Bldg, taking bids 100 ton crane

**Crane—Streator, Ill.**—R. B. Patch, 605 East Wilson St., in market for 10 ton electric crane, etc.

**Sand and Gravel—Minneapolis, Minn.**—Oct. 28, by F. S. Gram, city purch. agt., 1,500 cu.yd. sand, and 3,000 cu.yd. gravel. H. W. Elsberg, city engr.

**Clam Shell Bucket—St. Charles, Mo.**—St. Charles Sand Material Co. taking bids 1¼ yd. clam shell bucket.

**Crushed Stone or Gravel—Fresno, Calif.**—Fresno Co. taking bids 3,500 tons from ⅜ to ¾ in. and delivered to Oxalis, 1,500 tons ¾ to 1½ in. 1,500 tons 2 in. sand delivered to Mendota. D. M. Barnwell, co. clk.

**Gravel—Sacramento, Calif.**—Sacramento Co. taking bids 2,000 tons gravel for county road improvements. H. W. Hall, co. clk. C. W. Deterding, Jr., co. engr.

#### BIDS RECEIVED

**Paving Blocks — New York, N. Y.**—J. Miller, pres. Manhattan Boro., Municipal Bldg., 20,000 granite paving blocks from St. George Granite Co., 90 West St., $2,900. Noted Oct. 9.

#### CONTRACTS AWARDED

**Pump—Toronto, Ont.**—Furnishing and installing one 25 m.g. centrifugal 3 stage pump, to Turbine Equipment Co., 73 King St. W., $71,500.